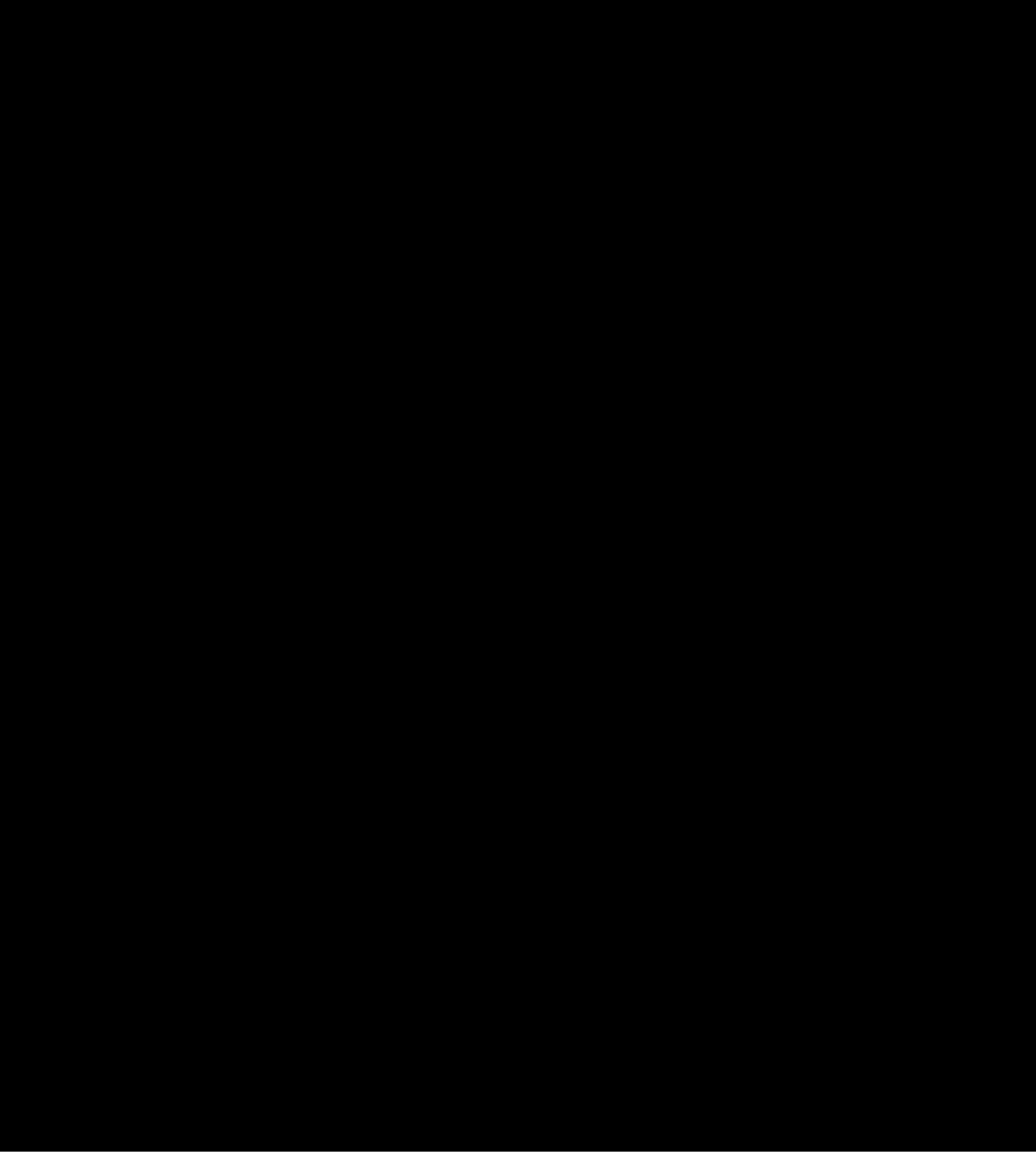




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W. G. S.
for
THE GLIDDEN COMPANY
"A National Institution in the Service of Industry"

Introduction

This descriptive catalogue is especially designed to assist maintenance engineers, building owners, managers, and others interested in the profitable upkeep of buildings and equipment with maintenance paints. It contains essential descriptive matter and color illustrations of the various Glidden maintenance materials. It defines the Glidden Standardization Service, and explains briefly its practical application.

The list of Glidden Factories printed on pages 40 and 41 of this book represents a remarkable combination of technical knowledge, man power and mechanical equipment. The scientific training and practical experience of many men, representing four generations in the manufacture of paint, has been united under one progressive executive control. Every



Paint Grinding Laboratory—Plant No. 1

mechanical improvement that modern engineering has developed is here used to further fortify this knowledge, and this personnel, in the production of high quality materials such as are described in this brief discussion of Maintenance.

Glidden laboratories, similar to the one illustrated, are constantly at work devising and perfecting new materials, improving production methods and checking finished stocks to insure uniformity to standards. Approximately one hundred and twenty-five technically trained men are required for this work. They are one of the many factors of safety behind the Glidden System of Standardized Maintenance wherein The Glidden Company, as the manufacturer, assumes the obligation of properly protecting that portion of the capital investment of industry represented by structures and equipment susceptible to depreciation. Under this system every structural unit and individual piece of equipment must be properly protected, with a suitable material, on an established schedule, at an economical cost before The Glidden Company can consider its obligation fulfilled.

Introduction (Cont'd)

In the following pages the various maintenance materials that are manufactured by The Glidden Company for use in the industrial, commercial and merchantile fields are illustrated and described. Without exception, every material described in this book has been subjected to the actual conditions for which it is intended. Each product has been produced or formulated to meet a specific condition, and, if properly applied, is guaranteed to satisfactorily perform the service for which it is recommended.

This little book, requiring but a few hours to print, necessitated five and one-half years of factory preparation, plant surveys, comparative analyses, development, elimination and final approval, before the executives of this company felt satisfied to let it go to press. You will find that it contains only concise, simple statements of fact without any evasive, misleading, or exaggerated information pertaining either to The Glidden Company, The Glidden System of Standardized Maintenance, or the various finishing materials recommended for use in maintenance work.

The arrangement of the book is such that engineers, contractors, and owners specifying Glidden materials on new construction may be assured of securing the exact materials they desire used by merely inserting in their specifications the "Engineering Specification" paragraph which follows immediately after the descriptive paragraph of each material. It is clearly identified in each instance by the sub heading "Engineering Specification," and each product has been further identified with a code number indicating the class of material and a name indicating the standard color.

To facilitate usage this booklet has been assembled in two general sections arranged in the following sequence:

Section one:—Building Exteriors and Structures Outdoor;—includes the painting and preserving of wood, the preservation of metal and the preservation of concrete, brick and stone. All of the materials described in this section are treated specifically as they apply to exterior surfaces. For practical purposes and to prevent repetition these materials have been classified in relation to the composition of the surface for which they are intended;—i.e. wood, metal, masonry;—rather than in relation to the kind of building upon which they may be used;—factory, department store, power house, etc.

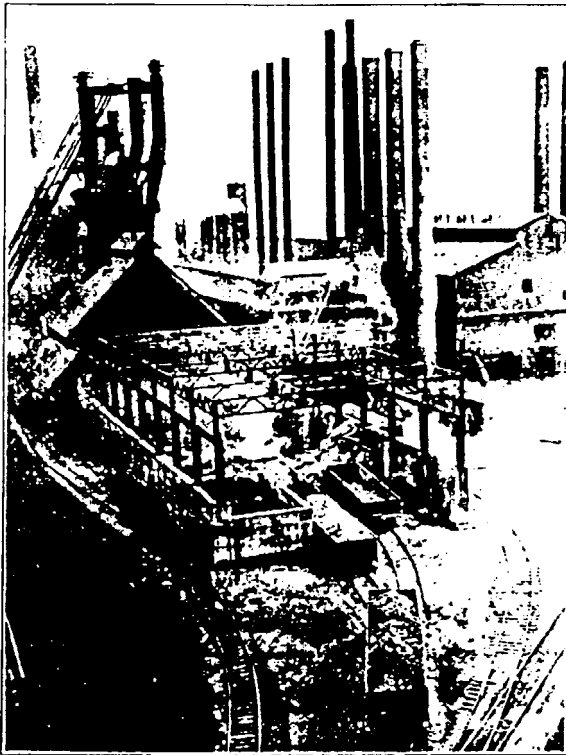
Section two:—Building Interiors and Interior Equipment;—includes the painting of factory and mill interiors, mill village dwelling and club house interiors, commercial and merchantile interiors, and a brief summary of the more elaborate materials required for the interior decoration and enrichment of theatres, churches, auditoriums and executive offices. The materials described in this section are treated more in relation to color and appropriateness for the kind of building in which they will be used rather than in relation to the composition of the surface upon which they may be applied. For ready reference there has been provided at the back of this booklet an alphabetical index of Glidden Materials and a maintenance chart of structural units and equipment alphabetically indexed to accurately designate the correct materials for every condition.

Maintenance Engineering Department.
National Headquarters—Cleveland, Ohio.

Maintenance Paints

(Building Exteriors and Structures Outdoor)

The first section of this manual covers the general subject of the preservation and upkeep of the exterior of Buildings. In addition to the favorable impression created by the good appearance of building exteriors that are properly maintained;—this section of the manual explains one of the greatest factors in successfully protecting the original value and utility of a plant.



Exterior Industrial Maintenance

From the outside always come the most persistent, most destructive and most active agents of deterioration. The sun, wind, rain, frost and various gases in the atmosphere are a continual menace to the life of all types of structural exteriors above grade. The alkalis, acids and waters of the earth persistently strive to undermine the various types of construction below grade.

All present day building materials will succumb to the perpetual attacks of exterior agents. Sound, well seasoned wood will rot and turn to soft worthless pulp. Bright rigid steel will rust and turn to dull, spongy dust. Concrete, brick, even natural stone will disintegrate, crack, crumble and fall. Time and neglect are the only requisites for destruction. Intelligent maintenance is the only requisite for preservation.

The Glidden Company has given years of time to the study of conditions existing in all sections of this country and the tropical countries of Central and South America. It has been our business, our livelihood, and we have given it the same constant attention, and supervision that must be given to any successful enterprise. Everything that we have learned in our association with Building Exterior Maintenance has been incorporated to advantage in the formulation and development of the materials recommended for exterior exposure in the first section of this manual.

Each product has been a problem of intense specialization, built upon experience and faithful study to produce the right product for the right purpose. In this first section there are listed only sixty materials, but they represent nearly eighty years of observation, experiment, and practical test in the development of the right wood paints for wood surfaces, steel paints for steel surfaces, and masonry paints for masonry surfaces. The Glidden Company has never produced any product by guesswork.

Maintenance is the keystone of industry. Practically every material used in building construction or equipment will show progressive disintegration unless given regular intelligent attention. Decay works continually, silently and persistently. The fight is relentless, with extensive repairs and expensive replacements, the penalty for neglect. Four-fifths of the battle is fought with paint.

The Glidden System of Standardized Maintenance, through its thorough application of basic paint engineering principles to the specific problems of individual plant operation, renders a sensible and profitable service to industry. It is a sound, practical method of continuous supervision based on definite standards of plant protection, sanitation and appearance. Its operation is briefly described in the following paragraphs.

A group of carefully trained technical service men, operate with the sales force under the direction of the Maintenance Engineering Department. These men make the original plant surveys that form the foundation upon which the standardization service is constructed. Their reports are based on actual examination of the physical conditions existing in your plant and as such furnish our development laboratories with the specific information that is required for their constructive work.

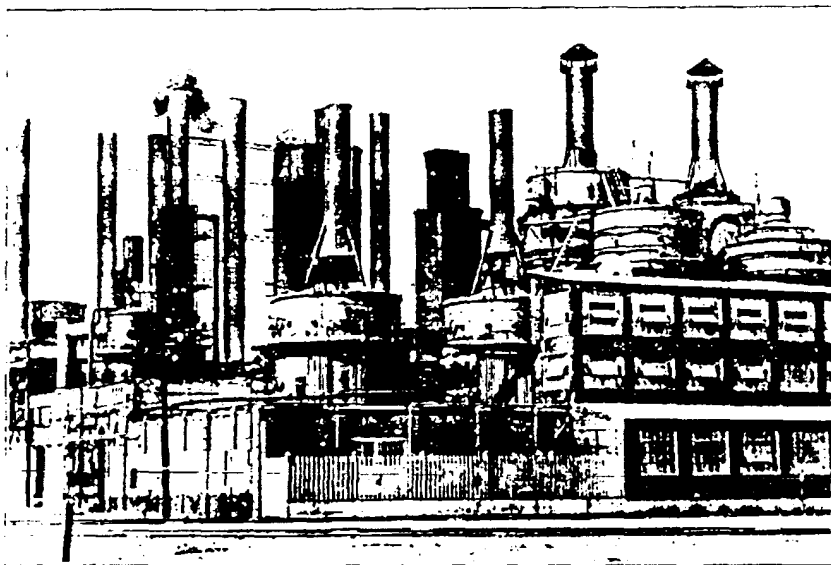
Standards are determined by elimination. Viz Small quantities of several materials are produced (by different men) in the formulating laboratories—all of which will meet in varying degree the specific condition known to exist in the plant for which that particular product is intended. After production they are collectively subjected to accelerated tests that closely approximate the actual plant conditions. This method of collective thought on the part of several individuals is the most positive method we have ever employed in arriving at reliable standards.

When standards have been produced that meet satisfactorily each condition known to exist in the plants for which they are intended, they are assembled in printed book form together with detailed specifications and control charts covering their proper application. These books insure protection, plant efficiency and fixed responsibility to the plant owner. They operate automatically and are absolutely dependable.

Painting and Preserving Wood

Painting of exterior wood today is a radically different proposition from what it was twenty or twenty-five years ago. The rules which governed work of that period by no means apply to work of today. Conditions have changed and the successful maintenance engineer or man in charge of maintenance is the man who understands present day requirements.

Increased consumption has already accomplished the practical extinction of white pine and poplar, the only two woods used for building purposes twenty-five years ago. Twenty odd different woods have supplanted two. A modern frame building usually consists of four or more different woods, each dried and seasoned under different conditions. One board absorbs paint readily, another only moderately, a third not at all unless forced to do so.



Gas Plant Exterior Maintenance

These are by no means all of the difficulties with which the paint manufacturer has to contend but they are sufficient to illustrate the many obstacles with which he is confronted in the production of satisfactory materials. The fact that present day paints are giving longer wear and greater satisfaction than materials used in the past is due to the energy and ingenuity of the paint manufacturer rather than to anything that has been done in the production or processing of the lumber now in use.

Realizing that the method of application is just as important as the quality of the material applied, The Glidden Company has prepared an accurate description of each of the different woods now in use. It is a condensed, illustrated, authentic record of practical information relating to the different lumbers used for exterior building, and the proper treatment of each. It will gladly be supplied upon request.

Glidden Exterior Wood Paint

The basic formula used in Glidden Exterior Wood Paint is not merely a paint formula. It is a definite formula composed of covering pigments in definite proportions with durable oils, gums and volatile constituents, so mixed and amalgamated as to produce a continuously uniform product of known properties. Properties which have demonstrated their actual value in both laboratory and practical tests. A superior product can not be made in any other way.

This paint in white weighs seventeen and one-half pounds per gallon and is composed of Lead Carbonate, Lead Sulphate, Zinc Oxide, Titanium Oxide, and Silica ground in pure Linseed Oil. In the bright colors this formula would be changed somewhat to permit securing the desired shade but basically all of the lighter tints conform closely to the white formula. This is the best prepared exterior wood paint we know how to make. One gallon covers approximately 600 square feet of surface, one coat. Detailed analysis furnished upon request. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.

ENGINEERING SPECIFICATION (NEW WORK)

1st Coat: Glidden Exterior Wood Paint, (Insert code number and name of color selected). To each gallon of paint add two quarts of Raw Linseed Oil and one pint of Turpentine. Apply this priming coat with a full brush, well and evenly brushed out. Allow ample time for thorough drying.

Note. After priming coat is thoroughly dry, putty all nail holes, cracks and other defects with a first quality linseed oil and whiting putty.

2nd Coat: Glidden Exterior Wood Paint, (Insert code number and name of color selected). To each gallon of paint add one pint of raw linseed oil and one-half pint of turpentine. Apply this intermediate coat with a medium full brush, well and evenly brushed out. Allow ample time for thorough drying.

3rd Coat: Glidden Exterior Wood Paint, (Insert code number and name of color selected). Use material without reduction full body as received in the original container. Apply this finish coat with a medium full brush, well and evenly brushed out.

Note. No thinning of paint materials should be permitted except as specified herein.

GENERAL DIRECTIONS

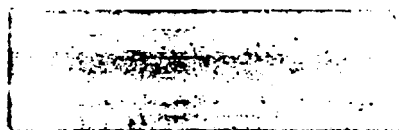
Carelessness in properly mixing paint invariably results in poor covering, non-uniform color and generally unsatisfactory results. Be sure that the contents of each package is thoroughly agitated from the bottom until the pigment is evenly incorporated throughout. Remove the entire head of the package, pour or dip off half the liquid, stir the balance of the paint with a flat paddle that will reach the edges of the container until all of the pigment is in suspension, then gradually pour back the liquid portion previously drawn off. Stir your paint frequently while painting.

Glidden Exterior Wood Paints

No. 4102 Light Cream

No. 4101 Ivory White

No. 4103 Light Yellow



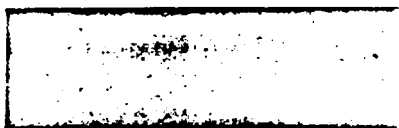
No. 4121 Stone Gray

No. 4104 Rich Cream



No. 4123 Dark Olive

No. 4107 Dark Buff



No. 4112 Light Gray

No. 4106 True Ivory

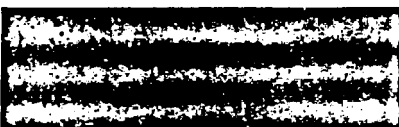


No. 4113 Lead Gray

No. 4105 Light Buff

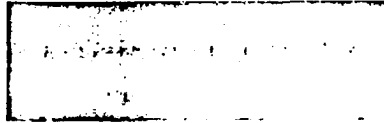
No. 4111 Dust Gray

No. 4108 Pale Gray



No. 4119 Bright Blue

Glidden Exterior Wood Paints



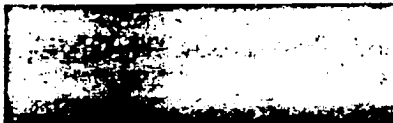
No. 4120 Sage Green

No. 4124 Gloss White

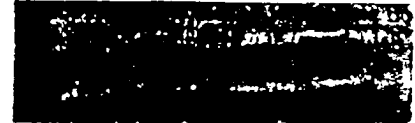


No. 4129 Leaf Green

No. 4110 Pale Blue



No. 4114 Orange



No. 4109 Tile Brown



No. 4125 Deep Red



No. 4116 Russet Brown



No. 4115 Light Brown



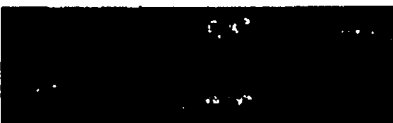
No. 4128 Light Green



No. 4117 Dark Brown



No. 4122 Bright Green



No. 4118 Oxide Red



No. 4127 Gloss Black

Also made in Fume Proof Outside White (No. 4126),
Inside Gloss White (No. 4130), and Inside Flat White (No. 4131).

Glidden Mill Village Paints

Glidden Mill Village Paints are made in practically the same colors as Glidden Exterior Wood Paints, but are made to sell at a lower price. They will be found to have very excellent quality and make a very suitable product for Wood Building Exterior work where the highest quality paint is not necessary. They brush smoothly, cover perfectly and make an attractive finish. Manufactured in Pale Gray (No. 4135), True Ivory (No. 4136), Light Yellow (No. 4137), Tile Brown (No. 4138), Pale Blue (No. 4139), Lead Gray (No. 4140), Bright Blue (No. 4141), Dark Olive (No. 4142), Bright Green (No. 4143), Deep Red (No. 4144), Sage Green (No. 4145), Leaf Green (No. 4146), Orange (No. 4147), Light Cream (No. 4148), Ivory White (No. 4149), Rich Cream (No. 4150), Light Buff (No. 4151), Dark Buff (No. 4152), Light Gray (No. 4153), Light Brown (No. 4154), Russet Brown (No. 4155), Dark Brown (No. 4156), Stone Gray (No. 4157), Outside Black (No. 4158), and Outside White (No. 4159). One gallon covers approximately 580 square feet of surface one coat. Average weight per gallon, sixteen and one-quarter pounds. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans. Detailed analysis furnished upon request.

ENGINEERING SPECIFICATION (NEW WORK)

First, second and third coats subject to the same reduction, and applied in accordance with the same specifications previously given for Glidden Exterior Wood Paints. See specification page 8.

Glidden Utility Wood Paints

As the name implies these materials are uniform quality, moderate priced products designed to give satisfactory appearance and protection to fencing, platforms, sheds, poles, tank supports and miscellaneous exterior equipment of wood construction. They are superior to the ordinary hand-mixed dry mineral and linseed oil paints commonly used for this work in that they are power ground on machinery having a crushing weight of 2200 pounds to the square inch, thus thoroughly driving the oil into the pigment. Manufactured in Light Cream (No. 4165), Ivory White (No. 4166), Light Yellow (No. 4167), Stone Gray (No. 4168), Rich Cream (No. 4169), Dark Olive (No. 4170), Dark Buff (No. 4171), Light Gray (No. 4172), True Ivory (No. 4173), Lead Gray (No. 4174), Light Buff (No. 4175), Pale Blue (No. 4176), Pale Gray (No. 4177), Bright Blue (No. 4178), Sage Green (No. 4179), Tile Brown (No. 4180), Deep Red (No. 4181), Russet Brown (No. 4182), Light Brown (No. 4183), Bright Green (No. 4184), Outside White (No. 4185) and Outside Black (No. 4186). One gallon covers approximately 550 square feet of surface one coat. Average weight per gallon, fifteen pounds. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans. Detailed analysis furnished upon request.

ENGINEERING SPECIFICATION (NEW WORK)

For priming coat on new wood subjected to normal exposure add two quarts raw linseed oil and one pint of turpentine to each gallon of paint. For priming coat on new wood subjected to water or moisture, also for wood used in or on the ground, add one gallon of No. 4160 Clear Creosote Preservative to each gallon of paint. Allow ample time for thorough drying.

For finish coat work on new wood of all classes and as a one coat refinish over old paints use this material without reduction full body as received in the original container.

Glidden Outside White (Semi-Paste)

This is the same outside white previously described under Glidden Exterior Wood Paints prepared in semi-paste form for those who prefer a semi-paste rather than a liquid ready to brush product. It is composed entirely of Lead Carbonate, Lead Sulphate, Zinc Oxide, Titanium Oxide and Silica ground in pure linseed oil with the proper percentage of dryer. One gallon of Glidden Outside White (Semi-paste) mixed with one gallon of Linseed Oil makes two gallons of finish coat paint ready for use. One gallon of semi-paste covers approximately 1200 square feet of surface one coat when properly reduced. Average weight per gallon twenty-seven pounds. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

ENGINEERING SPECIFICATION (NEW WORK)

1st Coat: Glidden Outside White (Semi-Paste). To each gallon of Semi-Paste add six quarts of pure linseed oil and one quart of turpentine. Apply this priming coat with a full brush, well and evenly brushed out. Allow ample time for thorough drying.

2nd Coat: Glidden Outside White (Semi-Paste). To each gallon of Semi-Paste add four quarts of pure linseed oil and one pint of turpentine. Apply this intermediate coat with a medium full brush, well and evenly brushed out. Allow ample time for thorough drying.

3rd Coat: Glidden Outside White (Semi-Paste). To each gallon of Semi-Paste paint add one gallon of pure linseed oil. Apply this finish coat with a medium full brush well and evenly brushed out. Allow ample time for thorough drying.

Glidden Titanium Lead in Oil (Soft Paste)

Titanium Oxide, Zinc Oxide and Lead Carbonate are combined in this product on the basis of 85% pigment and 15% pure Linseed Oil. This combination brings to the already known qualities of white lead in oil both the reinforcing hardness of Zinc Oxide and the brilliant whiteness and opacity of Titanium. The soft paste will break up in one third the time required for ordinary paste and requires only about one third the effort. In addition to the many advantages derived from the use of Titanium Lead in Oil on exterior surfaces it is also highly desirable for interior use due to its greater coverage, easier working qualities, greater whiteness, high hiding power and greater resistance to discoloration from interior fumes. Put up in 100, 50, 25 and 12½ pound kegs.

Glidden Lead-O-Zin (Paste)



In this product having a content of 66 2/3% Pure Basic Carbonate of Lead and 33 1/3% Pure Zinc Oxide, the softness of the white lead is reinforced by the hardness of the Zinc Oxide. The resulting blend when ground in 8% Pure Linseed Oil produces a properly balanced combination of White Lead, Zinc and Linseed Oil in paste form. The strength imparted to the White Lead by the Zinc Oxide provides a degree of hardness and resistance sufficient to compensate for the characteristic soft texture of the white lead when used alone. The resulting film of paint is more durable, has a longer life and greater resistance to weather without sacrificing the good qualities of the white lead base. Put up in 100, 50, 25 and 12½ pound kegs.

Glidden Lead-O-Zin (Soft Paste)

This product is the same combination of 66 $\frac{2}{3}\%$ Pure Basic Carbonate of Lead and 33 $\frac{1}{3}\%$ Pure Zinc Oxide ground in 15% Pure Linseed Oil to produce a soft paste consistency. It contains all the desirable qualities of white lead and zinc paste plus the advantage of a higher oil content. The addition of sufficient oil to produce a soft paste consistency facilitates the handling of the product and insures proper incorporation of the final paint. The soft paste will break up in one third the time required for the ordinary paste, and requires about one third the effort. It is economical and easy to use and will always produce a completely incorporated, properly blended, finished paint. Being produced on the same basic cost as ordinary white lead and zinc paste there is no premium for this easier working material. Put up in 100, 50, 25 and 12 $\frac{1}{2}$ pound kegs.

Euston Pure White Lead in Oil (Paste)

The Euston controlled process of chemical lead corroding and carbonating is a definite improvement in the manufacture of Basic Carbonate of Lead. The control is so exact that there is no variation at any time in the quality, texture, color, or uniformity of the product. The chemical carbonation is complete, producing 100% Basic Carbonate of Lead. The mechanical filtration and diffusion is constant producing a standard degree of fineness. The finished product consists of 92% Pure Basic Carbonate of Lead ground in 8% Pure Linseed Oil. The product is always uniform, having an exceptionally fine texture, a pure white color, and excellent spreading and hiding properties. Put up in 100, 50, 25 and 12 $\frac{1}{2}$ pound kegs.



Euston Pure White Lead in Oil (Soft Paste)

This product consists of 85% Pure Basic Carbonate of Lead ground in 15% Pure Linseed Oil. It has all the superior qualities of Euston White Lead plus the distinct advantage of a higher oil content. The addition of sufficient oil to produce a soft paste consistency facilitates the handling of the product and insures proper incorporation of the final paint. The soft paste will break up in one-third the time required for the ordinary paste, and requires about one-third the effort. It is economical and easy to use, and will always produce a completely incorporated, properly blended finished paint. Being produced on the same basic cost as ordinary white lead in oil paste there is no premium for this easier working material. Put up in 100, 50, 25 and 12 $\frac{1}{2}$ pound kegs.

No. 1911 Flatting Oil

This is the material referred to in the white lead mixing formulas on the following page. It is manufactured to be used with white lead in oil to produce flat effects for interior walls and woodwork. The resulting finish is beautiful, long wearing and washable. Put up in 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.

Mixing Formulas for White Lead in Oil

The white lead mixing formulas given herewith are based upon the use of the heavy paste form of Euston lead. When using soft paste bear in mind that it contains approximately one gallon more of oil to each 100 pounds and consequently requires about one gallon less of oil in each of the following formulas.

EXTERIOR WOOD SURFACES (NEW WORK)

FIRST OR PRIMING COAT

100 pounds Euston White Lead
4 gallons Raw Linseed Oil
2 gallons Turpentine
1 pint No. 4133 Dryer
This mix bulks 9 gallons of paint.
" " covers 4500 sq. ft. one coat.

SECOND OR INTERMEDIATE COAT

100 pounds Euston White Lead
1½ gallons Raw Linseed Oil
1½ gallons Turpentine
1 pint No. 4133 Dryer
This mix bulks 6 gallons of paint.
" " covers 3600 sq. ft. one coat.

THIRD OR FINISH COAT

100 pounds Euston White Lead
3½ gallons Raw Linseed Oil
1 pint Turpentine
1 pint No. 4133 Dryer
This mix bulks 6½ gallons of paint.
" " covers 4000 sq. ft. one coat.

INTERIOR WALL SURFACES (NEW WORK)

FIRST OR PRIMING COAT

100 pounds Euston White Lead
7 gallons Boiled Linseed Oil
1 gallon Turpentine
This mix bulks 11 gallons of paint.
" " covers 4400 sq. ft. one coat.

SECOND OR INTERMEDIATE COAT

100 pounds Euston White Lead
2½ gallons No. 1911 Flatting Oil
This mix bulks 5½ gallons of paint.
" " covers 3000 sq. ft. one coat.

THIRD OR FINISH COAT (FLAT)

100 pounds Euston White Lead
2½ gallons No. 1911 Flatting Oil
This mix bulks 5½ gallons of paint.
" " covers 3300 sq. ft. one coat.

No. 4163 Exterior Varnish Oil

This is an excellent product to loosen up hard working paints and varnish enamels. It is not a substitute for linseed oil. Recommended as a mixing liquid to toughen up finish coat exterior paints and enamels. Also used extensively to increase lustre in finish coats and as a waterproofing wall size especially in new buildings where the plaster is not entirely dried out. Makes an excellent mixing liquid for flat wall paints to increase the hardness of finish coats and make them wash better. It is also excellent as a waterproof floor dressing for concrete floors. Put up in 55 and 30 gallon drums, 5, 1, ½ and ¼ gallon cans.

Glidden C. P. Colors in Oil

Full strength chemically pure colors, finely and evenly ground in strictly pure linseed oil. The pigments are of the finest quality obtainable and each color is of maximum brilliancy and permanency in shade. Put up in 1, 5, 12½ and 25 pound cans.

Oil Color
Full Strength

1 lb. color mixed
with 3 gals. Paste
White

1 lb. color mixed
with 5 gals. Paste
White

Oil Color
Full Strength

1 lb. color mixed
with 3 gals. Paste
White

1 lb. color mixed
with 5 gals. Paste
White

Chrome Yellow Light

*Chrome Yellow Medium

Chrome Yellow Dark

*Euclid Tinting Ochre

*Raw Sienna

*Raw Umber

*Burnt Umber

Golden Ochre

*Yellow Ochre

American Vermilion

*Venetian Red

*Burnt Sienna

Indian Red

Rose Lake

*Ivory Drop Black

*Lamp Black

Glidden C. P. Colors in Oil (Cont'd)

Oil Color Full Strength	1 lb. color mixed with 3 gals. Paste White	1 lb. color mixed with 5 gals. Paste White	Oil Color Full Strength	1 lb. color mixed with 3 gals. Paste White	1 lb. color mixed with 5 gals. Paste White
					
*Vandyke Brown			*Chrome Green Medium		
					
Rose Pink			Chrome Green Dark		
					
Tuscan Red			*Ultramarine Blue		
					
Chrome Green Light			*Prussian Blue		

Colors indicated by * are made in both liquid and paste form.

No. 4100 Water Proof Wood Primer

This is an exceptionally fine exterior wood primer combining solid one coat coverage, neutral gray color, easy working, strong adhesion and positive waterproofing qualities never before obtained in an exterior priming material. It flows out readily, works and levels smoothly, stays up in the package, and dries hard overnight to a tough, hard, flat film that provides a beautiful priming base for the succeeding coats of paint. One gallon covers approximately 550 square feet of surface one coat. This material weighs sixteen and three-quarter pounds per gallon. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans. Detailed analysis furnished upon request.

ENGINEERING SPECIFICATION (NEW WORK)

New wood should always be primed with No. 4100 Waterproof Wood Primer. This specially prepared foundation coating will insure perfect results and is much safer to use on present day lumber. Porous and absorbent woods such as Cedar and Redwood, also resinous and sappy woods such as Yellow Pine, Spruce, Gum and Fir will always provide a longer wearing and better finished result when primed with this material. Under all conditions this material should be applied without reduction full body as received in the original container.

No. 4100 Waterproof Wood Primer

No. 4160 Clear Creosote Preservative

A clear preservative composed of Linseed, Creosote and other essential oils with sufficient volatile thinners to insure proper penetration. Commonly used both as an integral dry rot inhibitive and as an exposed surface waterprooing and preserving material. Particularly in the use of wood, in or on the ground or in water or exposed to moisture, this protective coating is recommended as a satisfactory and economical preservative. The utility and life of spiling, fence posts, telegraph poles, water tank supports, piers, saw mill chutes, thornbarkers in pulp mills and many other special types of wood construction can be increased and lengthened far beyond their normal range of service if they are properly treated and periodically renewed with this material. Can be readily applied either by dip, brush or spray. Requires twenty-four to thirty-six hours to dry. One gallon covers approximately 300 feet of surface one coat. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

Glidden Creosote Shingle Stains

Glidden Creosote Shingle Stains are made especially to provide both a protective and decorative finish for shingle roofs and sidings of buildings, garages, in fact any shingled surface. The popularity of shingled surfaces is continually growing, due to moderate cost, extreme adaptability to pleasing and unusual effects.

Glidden Creosote Shingle Stains are made on a Creosote Oil, which is recommended by prominent authorities as the best and most economical wood preservative on the market. They protect the wood from decay and rot and prevent warping, curling and splitting of shingles. To permit proper penetration of Glidden Creosote Shingle Stain into the pores of the shingles, they should be perfectly dry. Permanent colors are thus assured. When applying stain keep the contents thoroughly stirred from the bottom.

Covering Capacity: Covering capacity of Glidden Creosote Shingle Stain varies according to the absorption qualities of the wood. For dipping: two gallons of Glidden Creosote Shingle Stain for 1,000 regulation size shingles three quarter dip. For brush work; one gallon to 150 square feet, one coat, one gallon to 100 square feet, two coats. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

ENGINEERING SPECIFICATION (NEW WORK)

1st Coat: Shingles shall be given one dip coat Glidden Creosote Shingle Stain (insert here code number for color) for two thirds of their length in the consistency supplied by the manufacturer. They should be piled loosely to insure proper penetration and drying.

2nd Coat: After application on the roof, the shingles should be given one full brushing coat of Glidden Creosote Shingle Stain as it comes in the container.

Note: In the treatment of old roofs, substitute for the first coat as above, one full brushing coat.

Glidden Exterior Oil Wood Stains

Glidden Exterior Oil Wood Stains are supplied ready for use and best results are obtained by applying them with a soft brush. These stains are very clear and rich in tone. They are made from the most desirable colors and are dissolved in a special penetrating oil which insures a stain of the greatest dyeing power and permanency of color. One gallon covers approximately 1000 square feet of surface one coat. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon cans.

Glidden Creosote Shingle Stains

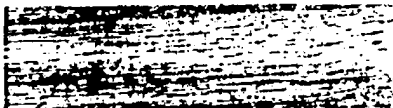
No. 4210 Silver Gray



No. 4211 Mission Gray



No. 4212 Light Brown



No. 4213 Golden Oak



No. 4214 Cherry Red



No. 4215 Walnut Brown



No. 4216 Tuscan Red



No. 4217 Light Green



No. 4218 Medium Green



No. 4219 Deep Green

Glidden Exterior Oil Wood Stains



No. 4222 Light Oak



No. 4223 Dark Oak



No. 4224 Golden Oak



No. 4225 Cathedral Oak



No. 4226 Light Walnut



No. 4227 Dark Walnut



No. 4228 Light Mahogany



No. 4229 Dark Mahogany

No. 4162 Exterior Spar Varnish

A long oil varnish composed of the toughest fossil gum resins in solution with elastic durable drying oils, combined at high temperatures to produce a liquid coating which will become a permanent solid film upon exposure to the air. Unaffected by moisture, gases, vapors, or other atmospheric agencies of decomposition or decay.

Extremely resistant to abrasion, tough, elastic, durable, waterproof, with a good gloss and free flow, No. 4162 Exterior Spar Varnish is today the same uniform dependable product that it has always been during three quarters of a century of consistent service. It is a superior product which will not turn white or discolor in any way from any cause whatever.

No. 4162 Exterior Spar Varnish is pale in color, has extreme elasticity, excellent body and flowing properties. Sets dust free in four to five hours and dries hard in sixteen to twenty hours, according to conditions. Can be rubbed to a dull finish two days after application. For use upon all exterior wood surfaces such as outside doors, window sills, casings, etc., in fact, all surfaces exposed to the elements. One gallon covers approximately 700 square feet of surface one coat. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.

No. 4161 Exterior Coach Varnish

No. 4161 Exterior Coach Varnish is made to withstand the elements in the same manner as No. 4162 Exterior Spar Varnish but formulated to sell at a medium price. It will be found that this is a very excellent quality varnish for the price and is recommended for use on exterior wood surfaces where the highest quality is not necessary. One gallon covers approximately 700 square feet of surface one coat. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.

ENGINEERING SPECIFICATION (NEW WORK)

Note. On close grained woods requiring stain but no filler refer to page 93 for staining specification. On open grain woods requiring both stain and filler refer to both page 93 for stain and page 91 for filler specifications. Where second grade varnish is adequate substitute "Coach" for "Spar" in specification.

1st Varnish Coat: Glidden No. 4162 Exterior Spar Varnish. To each gallon of Varnish add one half pint of turpentine. Work this first varnish coat thoroughly. Allow forty-eight hours to dry then finish with pumice stone and water properly rubbed down with hair cloth.

2nd Varnish Coat: Glidden No. 4162 Exterior Spar Varnish. Use varnish without reduction full body as received in the original container. Flow this finish varnish coat on the work in a careful and workmanlike manner. Allow ample time for thorough drying.

Note: If a dull finish is desired. Allow finish coat a minimum of forty-eight hours to dry, then rub with pumice-stone and oil or pumice-stone and water. Used brushes are preferable to new brushes. Bear-hair or badger-hair brushes are preferable for varnish application. Varnish brushes used frequently should be kept in varnish and when kept for a long period of time without using the brush should be washed out in turpentine and then the bristles kept completely covered with linseed oil. Before using in Varnish again the oil should be most thoroughly washed out by several washings with turpentine.

Glidden Exterior Floor Paint

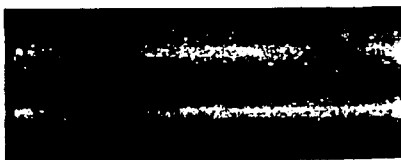
For use on outside wood floors. This material is particularly designed as a protective and decorative coating for surfaces which are subjected to hard usage and severe weather conditions. It resists the hard wear of walking, scraping of chairs and the action of rain, snow, ice, scrubbing, etc., encountered in normal exposure. It dries firm and hard overnight and provides a paint film which is sufficiently elastic so that it does not mar, scratch or show heel prints. One gallon covers approximately 450 square feet of surface one coat. Average weight per gallon fourteen and one-half pounds. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans. Detailed analysis furnished upon request.

ENGINEERING SPECIFICATION (NEW WORK)

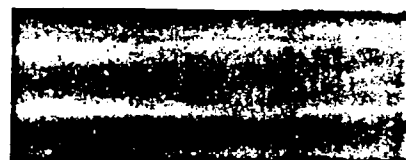
1st Coat: Glidden Exterior Floor Paint (insert here code number and name of color selected); to each gallon of floor paint add one quart of pure linseed oil and one pint of pure turpentine. This will give the necessary reduction for the proper penetration. Allow 48 hours to dry.

2nd Coat: Apply full flowing coat of Glidden Exterior Floor Paint (insert here code number and name of color) thinned with one pint of pure turpentine to the gallon. Allow 24 hours to dry.

3rd Coat: Apply full coat of Glidden Exterior Floor Paint full body as it comes from the container.



No. 4233 Light Gray



No. 4236 Stone Gray



No. 4234 Medium Gray



No. 4237 Light Tan



No. 4235 Dark Gray



No. 4238 Light Brown

No. 4270 Clear Masonite Sealer

A transparent, penetrating sealer prepared especially for sealing "Masonite," "Pseudwood," "Beaver Board" and similar types of porous wall board material. Requires overnight to dry. One coat is sufficient. Put up in 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.

Glidden Store Front Enamels

Few users of this class of material appreciate the difficult problem presented to the paint manufacturer in developing suitable products containing all of the desirable qualities necessary for satisfactory work. The deliberate, scrupulous treatment of store fronts twenty years ago set a high standard of appearance which possessed a beauty, durability, and color permanency that present day owners continuously desire to reproduce.

They forget that in the past there was ample time for long oil primers, and lead coat surfacers carefully puttied and sanded smooth. Flat coats of ground color were applied and rubbed by hand with fine steel wool. Solid coats of japan color followed the ground color and over them a coat of color varnish was applied and rubbed down with curled hair. The final finish was usually a coat of elastic exterior spar varnish.

The paint manufacturer today is expected to duplicate the gloss, lustre, depth and fullness of the old style built up finish in a one coat enamel that will dry overnight, and it is creditable to note that representative manufacturers through their ingenuity and technical research have succeeded in the accomplishment of this task to a remarkable degree.

Glidden Store Front Enamels represent eleven years continuous development. The richness of color and fullness of body which they possess is obtainable only through the long and costly treatment of the oils and varnishes used in their manufacture. The pigments used in each individual color are the finest, most permanent pigments it is possible to produce or obtain. They are body enamels of finishing coat consistency formulated with a pre-oxidized oil vehicle that will dry to touch in from eight to twelve hours after exposure to the air. They produce a tough, durable, water-proof film with the color brilliancy and high gloss of an enamel finish. One gallon covers approximately 500 square feet of surface one coat. Average weight per gallon fourteen and one-quarter pounds. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans. Detailed analysis furnished upon request.

ENGINEERING SPECIFICATION (NEW WORK)

Note: Priming and intermediate coats should be applied with paint materials of a shade suitable for undercoating the shade of enamel specified. See page 8 for detailed specifications covering exterior paint materials.

Finish Coat: Glidden Store Front Enamel (insert code number and name of color selected). Use material without reduction full body as received in the original container. The entire surface to be finished shall be lightly sanded with No. 320 Sandpaper and carefully rubbed down with turpentine or mineral spirits before the finish coat is applied. The finish coat shall be applied with a full brush and constantly wet edge.

DIRECTIONS

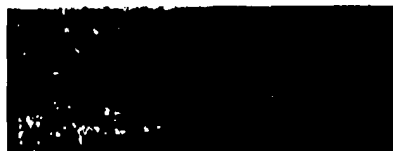
This is a body enamel for finish coat work. Where it is used to undercoat itself the undercoat must be lightly sanded with very fine sandpaper, or mossed off with curled hair and turpentine or mineral spirits before applying the finishing coat. Apply this material like a varnish with a full brush and wet edge. Do not brush it out like paint. For undercoat work reduce each gallon of enamel with one pint of pure spirits of turpentine. For finish coat use this enamel without reduction full body as received in the original container.

Glidden Store Front Enamels

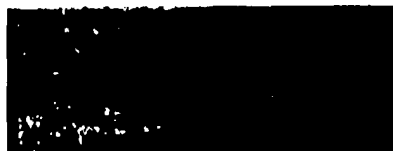
No. 4187 Deep Ivory



No. 4188 Light Gold



No. 4194 Bright Green



No. 4189 Bright Yellow



No. 4195 Medium Green



No. 4190 Medium Orange



No. 4196 Bright Red



No. 4191 Rich Tan



No. 4197 Bright Blue



No. 4192 Light Maroon



No. 4198 Rich Blue



Also made in White (No. 4199) and Black (No. 4200).

Glidden Amusement Park Paints

A very large proportion of the Amusement Park Paints sold in this country are of the job lot distribution type made from anything and everything. They are sold very largely on price by all kinds and classes of paint brokers who in the main are not paint manufacturers and know little or nothing about even the physical requirements of a desirable and satisfactory painting material. Until recently only a very few of the recognized established paint companies have given any consideration to the peculiar requirements of the amusement park, or the formulation of products that would render adequate service under such conditions. The Glidden Company was one of the first to develop suitable materials for this work.

Between seventy-five and ninety percent of the painted surfaces in any amusement park are of wood construction. The woods used are largely of the coarse grained types, most of which are crooked, apt to warp and splinter, with a very poor and uneven absorption that takes good judgment, experience and hard work on the part of the painter to obtain a dependable and satisfactory job. Further, in this particular field, to properly preserve the structure is not enough. There must be in addition to protection of the surface, the publicity value of good appearance which will attract and please the public. A good amusement park paint must do four things in one operation. It must properly satisfy the uneven oil absorption of coarse grained wood like a lead primer. It must harden down firmly to a durable waterproof film like an oil paint. It must have a high gloss and permanent color like a varnish enamel, and it must surface dry quickly to minimize personal property damage and annoyance to the public.

Glidden Amusement Park Paints are a combination of permanent non-fading pigments ground in a long oil synthetic gum varnish. The oil content is partially pre-oxidized before incorporation with the varnish to provide an overnight surface dry and yet retain in the paint sufficient slow oxidizing oil to satisfactorily seal the wood and harden down tightly to a durable waterproof film. The synthetic gum used in producing the varnish provides the permanent high enamel gloss characteristic of these paints and blends perfectly with the oil content to produce free flowing materials that are easy to apply. The pigments used are chosen particularly for their known permanency to light and sufficient pigment is used in all colors to insure solid coverage and strong hiding power. One gallon covers approximately 580 square feet of surface one coat. Average weight per gallon fourteen and three-quarter pounds. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans. Detailed analysis furnished upon request.

ENGINEERING SPECIFICATION (NEW WORK)

1st Coat: Glidden Amusement Park Paint (Insert code number and name of color selected). To each gallon of paint add one quart of Raw Linseed Oil and one pint of Turpentine. Apply this priming coat with a full brush, well and evenly brushed out. Allow ample time for thorough drying.

2nd Coat: Glidden Amusement Park Paint (Insert code number and name of color selected). Use material without reduction full body as received in the original container. Apply this finish coat with a medium full brush, well and evenly brushed out.

Glidden Amusement Park Paints

No. 4240 Cream

No. 4241 Ivory

No. 4242 Bisque

No. 4243 Drab

No. 4244 Yellow

No. 4245 Orange



No. 4246 Tan



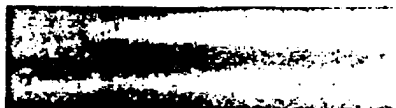
No. 4247 Crimson



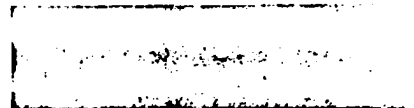
No. 4248 Brown



No. 4249 Oak



No. 4250 Pearl



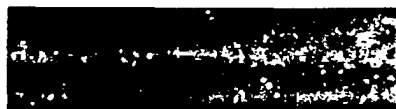
No. 4251 Sage



No. 4252 Lead



No. 4253 Green



No. 4254 Blue



No. 4255 Crylight

Also made in Outside White (No. 4256) and Black (No. 4257)

Glidden Japan and Liquid Dryers

No. 4132 Pale White Dryer is an excellent dryer, pale in color, manufactured from carefully selected materials. It is intended for drying white enamels and mixes readily with both linseed and varnish oils. It is used very largely as a dryer for white and the lighter shades of paint. Four or five gallons is sufficient to dry a barrel of raw linseed oil.

No. 4133 Reliable Dryer is an excellent and dependable dryer in every way. It is made from hard gums and possesses strong drying properties. Two and one-half gallons of dryer is sufficient to dry a barrel of raw linseed oil. It is intended especially for drying linseed oil paints.

No. 4134 Economy Dryer is an economical dryer intended especially for use in exterior paints. It is made from hard gums, is dark in color, and strong in drying properties. A thoroughly reliable and satisfactory dryer in every way. Two and one-half gallons of dryer is enough to dry fifty gallons of raw linseed oil.

Note: All dryers are put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.

No. 1900 Paint and Varnish Remover

This material instantly removes paint, shellac and similar coatings from all surfaces, leaving them clean and ready for refinishing. It does not contain alkali, acid, oil or water. It will not injure or raise the grain of the finest veneer. It will not injure the hair of the finest brush. It is free from objectionable odor and will not injure the skin. Put up in 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.

No. 1902 White and No. 1903 Orange Shellac

Both of these materials are four pound cut shellacs of the finest quality. Recommended for use wherever a pure white or orange shellac finish is required. Put up in 5 gallon cans, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon glass jars.

Glidden Oxide Wood Paints

The nation wide use of oxide wood paints as a finish for railway freight cars is sufficient evidence of the durability and economy of this type of material. In addition to the railways, there are many other places wherein products of this kind can be used to advantage. The pulp and paper industry use oxide paints on exterior log conveyors and stackers. The oil producer uses oxide paint on the well derrick and shed. The coal mine uses oxide paint on the tipples and trestle work. The natural gas industry uses oxide paint on the exterior of pump houses and overhead pipe supports. The telephone and telegraph companies use oxide paint on cross arms and reels. These are just a few examples of the many places where oxide wood paints are rendering satisfactory and economical service. Glidden Oxide Wood Paints are made from sesqui oxide of iron to comply with U.S. Government Specifications. They are supplied in both light and dark shades using bright red and dark red oxides of iron. They are ground in a combination of linseed and china wood oils and are extremely water-proof, durable, and weather resistant. Either material will dry to touch overnight and hard enough to recoat in 24 hours. One gallon covers approximately 600 sq. ft. of surface one coat. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

Glidden Oxide Wood Paints



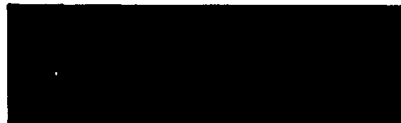
No. 4220 Light



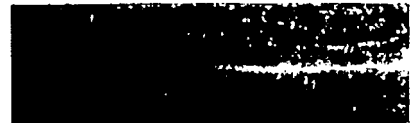
No. 4221 Dark

Glidden Solid Mixing Colors

These solid colors prepared in finish coat consistency are readily adaptable to either be applied as received, or mixed with white paints to produce any desired shade. One gallon covers approximately 650 square feet of surface one coat. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. Average weight per gallon fifteen pounds. Detailed analysis furnished upon request.



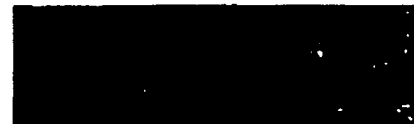
No. 4260 Indian Red



No. 4265 Pea Green



No. 4261 Medium Red



No. 4266 Apple Green



No. 4262 Light Brown



No. 4267 Vert Green



No. 4263 Medium Brown



No. 4268 Thistle Green



No. 4264 Blind Green

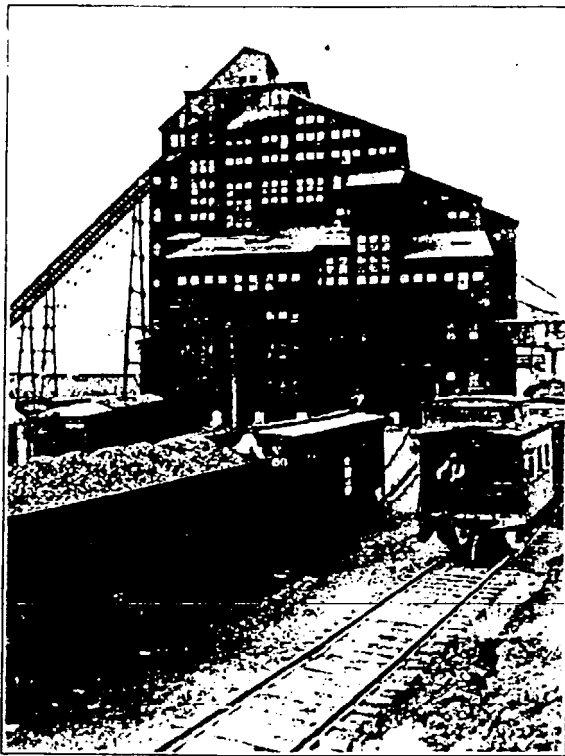


No. 4269 Dark Green

Preservation of Metal

Among all of the various materials used in modern industrial structures, iron and its kindred products, have the widest usage and the greatest depreciation. From the "pig" up through practically every stage of refinement, iron displays progressive disintegration upon exposure to the air. It has in all forms an almost resistless tendency to reunite with oxygen.

The disintegration of Iron, once started, is very rapid and exceedingly difficult to stop. No other building material will undergo such complete chemical decomposition in so short a time. Here, more than in any other maintenance condition, an ounce of prevention is worth more than a pound of cure. Regular intelligent attention is positively essential for successful preservation.



Coal Mine Exterior Maintenance

The permanent preservation of metal has always been, and for that matter still is, the greatest problem in maintenance. Regardless of what form the protective coating may take, up to the present time, no coating has been found that will give satisfactory protection over any appreciable length of time unless carefully and consistently maintained.

In choosing a suitable protective coating for metal, look first at the inhibitive qualities of its pigment content. Choose paints containing pig-

Preservation of Metal (Cont'd)

ments that act as preventatives of corrosion. Chromic Compounds, Basic Pigments, neutral oxides, and inerts that either prevent corrosion or at least do not excite it. Particularly do not use paints containing pigments that will stimulate corrosion.

Positive imperviousness to air and moisture is essential. The paint vehicle must be extremely water resistant and must contain no water. The paint must be dense and when dry must have a non porous surface that is unaffected by atmospheric conditions. The film must be tough to resist abrasion. The pigment must be finely ground and have an affinity for the vehicle. It must be tenacious and elastic that it may procure a good bond and not crack open.

On the following pages are listed the various metal coatings manufactured by The Glidden Company with complete descriptions of each. They are offered, not as perfect protective materials, but rather as honest materials, honestly described. They represent more than three quarters of a century of painstaking effort and continuous development in the field of metal protective paints.

Directions for Cleaning Metal

The greatest cause of unsatisfactory protection is faulty application. Metal protective coatings as a class are heavy materials, hard to apply. This fact may contribute somewhat to the tendency so often exhibited by unskilled labor to skimp on the actual physical exertion required to properly apply this type of product. Certain, it is, that slipshod, inefficient application of protective paints, represents the greatest problem affecting the successful preservation of metal construction.

The proper preparation of a metal surface for painting is also an important factor in the resultant life of any protective coating. Moisture on the surface will cause the paint to blister and peel. Thick coats of paint will pucker, and quickly perish. Fast application where intermediate or finishing coats are applied over first coats not thoroughly dry is never satisfactory. Usually such work results in the secondary coats failing to properly adhere to the priming coats. Partial incorporation of pigment with vehicle before application causes uneven coats that will not dry uniformly. Application of old paints containing skins causes breaks and thin spots in the film.

With specific reference to Iron and Steel. Paint must not be applied on a surface where corrosion has secured a foot hold without first removing all the rust that can be possibly removed.

Sand blast, hammers, chippers, wire brushes and coarse sandpaper are all used in the removal of rust. Sand blast is the most thorough and satisfactory of all methods and should be used in every instance where the cost is not prohibitive. After the surface is brushed clean it should be wiped off with benzine before paint is applied.

The time required to properly prepare the surface is never an expense.

Maintenance Engineering Department
The Glidden Company.

Glidden Chromatized Exterior Metal Paint

Chromic Compounds possess the peculiar ability of reacting chemically with steel and creating a passive condition in the metal that retards its normal tendency toward corrosion. They are excellent inhibitors of rust. In the Atlantic City tests conducted by the American Society for Testing Materials from 1910 to 1914, Basic Lead Chromate (American Vermilion) was awarded the highest rating as a rust preventative.

Glidden Chromatized Exterior Metal Paint is a combination of covering pigments and inerts carrying in each color a generous proportion of chromic compounds together with the necessary basic pigment and neutral inert required for positive protection. The chromic compounds (zinc chromate, normal lead chromate and basic lead chromate) insure adequate protection against corrosion. The supplementary pigments insure close adhesion, solid coverage, and easy application. The neutral inerts insure proper suspension of the pigments in the vehicle and prevent settling and hardening in the package.

The vehicle in which these pigments are incorporated is a mixture of treated oils, gums and volatile constituents having a definite affinity for the pigment content. This affinity is essential to procure the degree of cohesion that will unite the various pigments and inerts into one uniform dense mass. The oils and gums used in the vehicle are carefully selected and combined at high temperatures to insure the necessary tenacity, elasticity and toughness required to produce an impervious film.

Glidden Chromatized Exterior Metal Paints are quality products representative of the finest protective paints manufactured for the maintenance of exterior metal construction. They are positive arrestors and inhibitors of corrosion. One gallon covers approximately 620 square feet of surface, one coat. Average weight per gallon seventeen pounds. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. Detailed analysis furnished upon request.

ENGINEERING SPECIFICATION (NEW WORK)

Prime Coat: Glidden Chromatized Exterior Metal Paint—No. 5101 Primer Red. Use material without reduction full body as received in the original container. Apply this shop or priming coat with a round or oval brush well and evenly brushed out. Allow ample time for thorough drying before handling.

1st Field Coat: Glidden Chromatized Exterior Metal Paint (Insert code number and name of color selected). Use material without reduction full body as received in the original container. Apply this first field coat after erection with a round or oval brush well and evenly brushed out. Allow ample time for thorough drying.

Note: Before erection thoroughly clean all riveted joints, laps and other parts where plates and shapes will be in contact with each other or with castings in the completed structure and apply one coat Glidden Chromatized Exterior Metal Paint—No. 5101 Primer Red to each surface in contact. Also reprime all abrasions occurring in handling or transportation with one coat of the same material.

2nd Field Coat: Glidden Chromatized Exterior Metal Paint (Insert code number and name of color selected). Use material without reduction full body as received in the original container. Apply this second field or finishing coat with a round or oval brush well and evenly brushed out. Allow ample time for thorough drying.

Glidden Chromatized Exterior Metal Paint



No. 5101 Primer Red

No. 5103 Silver Gray



No. 5102 Oxide Red



No. 5107 Smoke Gray



No. 5104 Venetian Brown



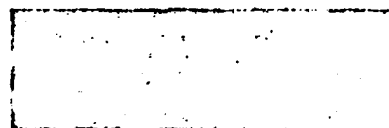
No. 5105 Bottle Green

Also made in Black (No. 5106)

Glidden Pure Red Lead in Oil (Paste)

A pure red lead paste composed entirely of oxides of lead free from all adulterants. The pigment content representing approximately ninety-two per cent of the whole is composed of true amorphous red lead (Pb_3O_4) and lead monoxide (PbO). It is highly oxidized, has exceptional fineness, and covers better than ordinary grades. The liquid content representing approximately eight per cent of the whole is composed entirely of pure linseed oil.

Glidden Pure Red Lead in Oil is a superior product of uniform consistency that stays soft and workable at all times. It is easy and clean to handle, and incorporates all of the recognized advantages that have made red lead the most extensively used metal preservative coating on the market today. When reduced with two pints of boiled linseed oil and three pints of raw linseed oil to twenty-five pounds of Red Lead Paste the resultant gallon of paint will cover approximately one and three-quarter tons of steel or 600 square feet of surface one coat. Average weight per gallon of Red Lead Paste, 47 pounds. Put up in 12½, 25, 50 and 100 pound steel kegs. This product is made from 97% pure red lead.



Pure Red Lead

Mixing Formulas for Red Lead in Oil

FOR EITHER EXTERIOR OR INTERIOR USE

FIRST OR SHOP COAT (Natural Red Lead Color)

100 pounds Glidden Pure Red Lead
1 1/4 gallons Raw Linseed Oil
3 quarts Boiled Linseed Oil
1 pint Turpentine
This mix bulks 4 3/8 gallons of paint.
" " covers 2400 sq. ft. one coat.

SECOND OR FIELD COAT (Medium Brown Color)

100 pounds Glidden Pure Red Lead
2 gallons Raw Linseed Oil
1 gallon Boiled Linseed Oil
1 pint Turpentine
1 pound Lamp Black in Oil
This mix bulks 5 1/8 gallons of paint.
" " covers 2750 sq. ft. one coat.

THIRD OR FINISH COAT (Dark Brown Color)

100 pounds Glidden Pure Red Lead
2 1/2 gallons Raw Linseed Oil
1 1/4 gallons Boiled Linseed Oil
1 pint Turpentine
5 pounds Lamp Black in Oil
This mix bulks 6 5/8 gallons of paint.
" " covers 3400 sq. ft. one coat.

Note: Should a dark brown color not be acceptable in the third or finish coat, a medium green shade can be obtained by adding to each one hundred pounds of Glidden Pure Red Lead, four gallons Raw Linseed Oil, two gallons Boiled Linseed Oil, one quart turpentine, twenty-five pounds Medium Chrome Yellow in oil and forty pounds Chinese Blue in oil. The resulting mix will bulk eleven gallons of paint and will cover 5600 square feet one coat.

No. 5100 Liquid Red Lead Paint

The carefully calculated proportions of pure red lead, orange mineral, and neutral inerts comprising the pigment content of this material are designed to produce a dependable rust inhibitive product that is workable and easy to apply. It has all of the recognized advantages of pure red lead yet will not settle out and harden in the container. The vehicle is a combination of treated oils and gums selected for their known properties and pre-determined results. It holds the pigment content in suspension for a definite length of time. It has a definite pigment saturation value that forms a uniformly dense film.



No. 5100 Liquid Red Lead Paint is a tough, elastic, durable ready mixed paint. It prevents corrosion, has long life, resists moisture, and is unaffected by quick changes in atmospheric conditions. It can be used as a prime coat or finish coat as desired, requires no thinning, stays in suspension, and is uniform at all times. One gallon covers approximately 500 square feet of surface one coat. This material weighs twenty-one pounds per gallon. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. Detailed analysis furnished upon request.

Glidden Anti-Corrosive Paint

Glidden Anti-Corrosive Paints are made in approximately the same colors as Glidden Chromatized Exterior Metal Paints, but are made to sell at a lower price. They are composed of basic pigments, neutral oxides and inerts but do not contain any of the chromic compounds used in the more expensive materials. They will be found to have very excellent quality and make a very suitable product for either exterior or interior metal work where the highest quality paint is not necessary.

While not as strong inhibitors of corrosion as the chromic compound paints, they insure adequate protection wherever they can be brought into intimate contact with clean bare metal. They are elastic and tough, have close adhesion, solid coverage and are easy to apply. They resist abrasion, are not easily affected by change in atmospheric conditions and have no appreciable shrinkage upon drying. One gallon covers approximately 500 square feet of surface one coat. Average weight per gallon sixteen and three-quarter pounds. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. Detailed analysis furnished upon request.

ENGINEERING SPECIFICATION (NEW WORK)

Follow same specification as given for Glidden Chromatized Exterior Metal Paints substituting the correct code number and name for colors desired in Glidden Anti-Corrosive Paints.



No. 5109 Orange

No. 5108 Light Buff



No. 5110 Dark Red



No. 5112 Dark Green



No. 5111 Dark Brown



No. 5113 Dark Gray

Also made in Black (No. 5114)

Glidden Acidproof Coating

The illustration is a photographic reproduction of what occurred when a piece of sheet iron coated with Glidden Acidproof Coating (Transparent No. 5127) was of thirty per cent nitric acid. The center portion of the metal was left exposed to the test and at the expiration of one hour and forty minutes, the portion of the metal exposed by the acid, of Glidden Acidproof Coating as shown in the apparently not deteriorated and upon examination tenacity and life as it submitted to the nitric



submitted to a bath of nitric acid. The center portion of the metal was left exposed to the test and at the expiration of one hour and forty minutes, the portion of the metal exposed by the acid, of Glidden Acidproof Coating as shown in the apparently not deteriorated and upon examination tenacity and life as it submitted to the nitric acid test.

Glidden Acidproof Coating is a chemical metal protective coating for use on any type of exterior or interior construction subjected to acid fumes or dilute liquid acids. It will not withstand concentrated acid solutions over a protracted period of time. It is particularly valuable as a metal protection in dye houses, chemical plants, fertilizer works and sugar refineries, also in certain tropical countries, certain branches of the rubber industry, the galvanizing processes of the steel industry and the manufacture of electric storage batteries.

Glidden Acidproof Coating contains no asphaltum, tar or gilsonite, is absolutely waterproof and offers a perfect protective coating for metal surfaces exposed to acid conditions. It is a chemical coating and must be applied exactly in accordance with directions and reduced with a special reducer where applied by spray. When properly applied it produces a non-porous impervious film having sufficient elasticity, tenacity and life to insure a tight bond with the surface and enough "stretch" to follow the normal contraction and expansion of the metal.

The extremely interesting and severe test illustrated above represents a concrete demonstration of the high insulating value of this material when it is properly applied to clean bare metal. It is made in a transparent liquid and seven pigmented colors. The transparent liquid is the same color as a good quality clear exterior spar varnish. The seven colors are as illustrated on the following page. One gallon of either the transparent or pigmented coating will cover approximately 500 square feet of surface one coat. Average weight of pigmented colors fifteen pounds per gallon. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

DIRECTIONS

The metallic surface must be absolutely clean and dry. It is a useless expenditure of time and money to attempt to properly protect a damp or dirty surface with this material. First apply a full coat of the transparent coating (No. 5127). Use it exactly as you would a heavy bodied finishing varnish and brush it out well. In applying this transparent priming coat be particularly careful to thoroughly coat all joints, laps, rivet heads and corners. Allow this priming coat forty-eight hours to thoroughly dry.

Glidden Acidproof Coating (Cont'd)

When the transparent primer is dry apply one coat of pigmented coating in whatever color is desired. Apply the pigmented material in the same manner that you would apply an ordinary paint. Brush it out well and allow forty-eight hours to dry. If solid coverage is not obtained with one color coat, a second coat can be applied in the same manner as the first.

When dry follow with a full flowing finish coat of the transparent coating No. 5127. Flow it on like a varnish and work it thoroughly. Use all materials full body for brushing. Reduce all materials with No. 5128 Acidcoat Reducer to the proper consistency for spraying. These coatings must be applied on dry surfaces in dry weather to give satisfactory service. Renew the finish coat of Transparent Coating every year. This is not a nitro cellulose product and presents no greater fire hazard than that of ordinary paint.

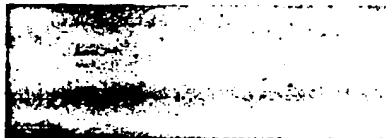
ENGINEERING SPECIFICATION (NEW WORK)

1st Coat: Glidden Acidproof Coating—Transparent No. 5127. Apply without reduction, full body as received in the original container for brushing. Reduce with No. 5128 Acidcoat reducer to proper consistency for spraying. Allow forty-eight hours to dry.

2nd Coat: Glidden Acidproof Coating—(Insert code number and name of color selected.) Apply without reduction full body as received in the original container for brushing. Reduce with No. 5128 Acidcoat Reducer to proper consistency for spraying. Allow forty-eight hours to dry.

Note: Where solid coverage is not obtained with one color coat, apply a second coat in the same manner as the first.

3rd Coat: Glidden Acidproof Coating—Transparent No. 5127. Apply without reduction, full body as received in the original container for brushing. Reduce with No. 5128 Acidcoat Reducer to proper consistency for spraying.



No. 5120 Light Gray



No. 5123 Terra Cotta



No. 5121 Medium Gray



No. 5124 Olive Green



No. 5122 Dark Gray



No. 5125 Metallic Brown

Also made in Transparent (No. 5127) and Black (No. 5126)

Aluminum Acidproof Coating

To each gallon of Glidden Acidproof Coating—Transparent No. 5127 add two pounds No. 140 mesh Paint and Varnish Makers Aluminum Bronze Powder to obtain a suitable Aluminum Acidproof Coating of good brushing consistency. Where application is to be made by spray it is only necessary to add one and one-half pounds of Bronze Powder to the gallon of Transparent Coating. Agitate thoroughly before and during application. This aluminum coat replaces the pigmented coat in the Engineering Specification. It should be preceded and followed by a coat of the Transparent No. 5127 in exactly the same manner as previously specified for pigmented materials.

No. 5115 Zinc Galvanized Iron Primer

The oily surface of galvanized iron presents a very unsatisfactory foundation for protective paints. Weathering by exposure, etching with acid, and even sand blasting have been resorted to in attempting to overcome this characteristic of all galvanized materials. The oil is not merely a deposit on the surface, it is an essential reaction of the galvanizing process in the metal.

Weathering by exposure is rarely satisfactory due to the fact that joints, laps, nail holes and other parts where surfaces are in contact will invariably corrode before the center sheets have weathered. The galvanized sheets are thin and the disintegration is rapid. Quite often corrosion has progressed so far at these points that the protective coating has little or no value. It is always wise to paint galvanized metal promptly when new.

Etching a galvanized surface with dilute acid produces a chemical reaction in the galvanizing that apparently saponifies the oily constituents. The resultant surface has no greasy feel, is roughened up and takes a priming coat readily. For several years this practice of etching with acid has been widely promoted as a satisfactory treatment of galvanized surfaces. Don't be misled. The same acid that etches the surface is still in the metal and can still react with the paint to cause disintegration and start rust. Etching a galvanized surface with acid is a sure way to destroy the protective paint coat that is applied over it.

Glidden Zinc Galvanized Iron Primer is made with Zinc Dust, which is combined with other covering pigments in a synthetic oil and gum vehicle like any ordinary paint. It involves no secret theories on the treatment of galvanized surfaces nor is it dependent on either weathering or etching for satisfactory application. It simply represents a sound, practical utilization of like metallic elements. The only requirement for its successful application is a clean surface. One gallon covers approximately 500 square feet of surface one coat and dries down hard in six to eight hours. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.



No. 5115 Zinc Primer

Glidden Aluminum Finishes



No. 5116 ELASTIC ALUMINUM MIXING VARNISH

A long oil exterior mixing varnish containing 196 gallons of oil to each 100 pounds of gum. Total solids, 57.88%. Suitable for mixing in either brush or spray application. Dries hard to touch in 24 hours. Long in oil to permit of proper leafing. Solid covering in one coat either brushing or spraying. Average life of film, five years. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. Detailed analysis furnished upon request.

No. 5117 EXTERIOR ALUMINUM MIXING VARNISH

While not as long in oil and elastic as No. 5116 this material is a very durable mixing varnish and is preferred by many large users because it dries hard to touch overnight. On large areas such as 55,000 and 88,000 barrel oil storage tanks this material does not have sufficient "stretch" to compensate for the great expansion and contraction of such a large surface but for all ordinary purposes this mixing varnish will be found entirely satisfactory. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. Detailed analysis furnished upon request.

No. 5118 HIGH HEAT ALUMINUM MIXING VARNISH

The Aluminum Company of America laboratories at New Kensington, Pennsylvania have made the following examination and report covering this product.

"A black iron panel was coated with this paint and placed in an electric furnace at 500° Centigrade (932° Fahrenheit) for a period of eight hours, at the end of which time the coating had a good appearance and showed satisfactory adherence to the metal upon bending the panel. We believe, therefore, that this vehicle would be satisfactory for use in aluminum paint applied to hot surfaces, and therefore recommend it for that purpose."

Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. Detailed analysis furnished upon request.

No. 5119 READY MIXED ALUMINUM PAINT

A ready mixed aluminum paint composed of two pounds No. 140 mesh aluminum bronze powder in a neutral mixing varnish that does not discolor the bronze nor prevent it leafing properly. While the film obtained with this material is not as brilliant as can be secured by mixing the bronze with the liquid at the time of application, it has the same durability, long life and good appearance as can be obtained in any ready mixed product except Metallite. (Described on page 74.) Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

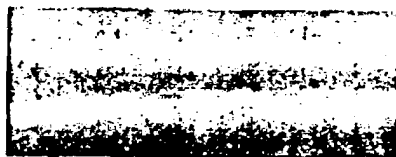
Glidden Causticproof Coatings

This material is a precise combination of the necessary basic pigments, oxides and inerts required for satisfactory coverage and protection in a chemical vehicle containing in solution a synthetic resinous derivative of petroleum. It contains no asphaltum, tar, or gilsonite whatever, and has the working characteristics of ordinary oil paint except that it must be reduced only with mineral spirits when applied by spray.

Glidden Causticproof Coating has been subjected repeatedly to saturated solutions of soda ash and caustic soda solutions of varying strengths in both hot and cold water without evidencing any serious deterioration whatever over short periods of time. It will not withstand lye, nor protracted immersion in a saturated solution of boiling caustic.

It is particularly valuable as a metal protective coating on both exterior and interior construction of kettle houses, soda ash plants, storage tanks subjected to soda ash dusting, lye evaporators, lye treatment buildings, alkali plants, chemical plants and soap factories where metal surfaces are exposed to moist caustic fumes and dilute caustic liquids.

The application of this material requires no special equipment or expensive preparation. It is readily applied over either bare metal or old paint. It does not contain any strong paint solvents and will not lift an old paint film. It is prepared in white, black and six colors as illustrated. One gallon will cover approximately 480 square feet of surface one coat and will dry hard overnight. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.



No. 5130 Cream



No. 5133 Gray



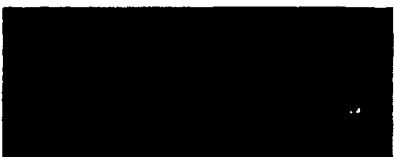
No. 5131 Drab



No. 5134 Red



No. 5132 Brown



No. 5135 Green

Also made in White (No. 5136) and Black (No. 5137)

No. 5128 Hand Rail Black

This enamel is an excellent, quick drying, solid covering black, having a high gloss and extremely hard, print-proof film. The liquid vehicle used in this enamel is composed of treated china wood oil, bodied vegetable oil, and fossilized gum mixing varnishes which combine to produce the necessary hardness, toughness and durability required in a multiple service material of this type. One gallon covers approximately 600 square feet of surface one coat. This material weighs nine pounds per gallon. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. Detailed analysis furnished upon request.

No. 5129 Smoke Stack Black

A high heat varnish black intended for use on metal stacks carrying temperatures as high as 750° Fahrenheit. Can be applied to either a hot or cold surface. Use it full body for brushing, reduce with Turpentine or Mineral Spirits to proper consistency for spraying. Manufactured only in Black. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

No. 5138 Plastic Emulsified Asphalt

This is cold process emulsified asphalt combined with long fibre asbestos to produce a patching plastic having all the desirable waterproofing qualities of natural mineral asphalt and the fire resistant qualities of asbestos. Adapted particularly for repairing flashing and patch work on roofs of saw tooth and monitor construction. Put up in 500 and 300 pound drums, 50 and 10 pound cans.

No. 5139 Emulsified Asphalt Cement

On the opposite page there is given a full description of Glidden Emulsified Asphalt Coatings which are in liquid ready to brush consistency. Many times there arise conditions that require a more concentrated product for trowel application and Glidden Emulsified Asphalt Cement is provided for just that purpose. This product is exactly like the product described on the opposite page except that it is a thick cement for troweling. Put up in 500 and 300 pound drums, 50 and 10 pound cans.

[No. 5156 Black Caulking Paste

This material is designed particularly for caulking around door and window frames that spring or warp after installation. A special gun equipped with a patented spreader tongue is supplied with each shipment to insure proper application in a minimum of time. An excellent product that insures satisfactory work and is easy to apply. Put up in 55 and 30 gallon wood barrels. Detailed analysis furnished upon request.

Liquid Emulsified Asphalt Coatings

A water emulsion of Mineral Asphalt, Covering Pigments and Vegetable Oils in a ready to brush consistency for use wherever a pure asphalt coating is required. A superior product that will render satisfactory service over a longer period of time than either the hot or cut-back type of asphalt coatings. A durable, waterproof, acid, alkali and brine resistant material that has remarkable adhesive qualities, solid coverage and long life.

Cut-backs, produced by dissolving asphalt in a solvent oil are comparatively short lived because the volatile oil in dissolving the asphalt combines with the natural oils of the asphalt. After application, these natural oils of the asphalt gradually evaporate off with the solvent oil, or vehicle, so that the coating eventually becomes hard; checks, cracks and peels. The asphalt has been broken down and only the solid lifeless constituents remain on the surface.

Hot coatings, produced by melting solid or semi-solid asphalts to a liquid state and applying them while hot, are only slightly more satisfactory than cut-backs. When asphalt is heated to the melting point, heavy black fumes constantly pass off into the atmosphere, leaving a solid deposit in the bottom of the kettle. These heavy black fumes are the natural essential oils of the asphalt and the black deposit at the bottom of the kettle is Bitumen. The heat required for melting has broken down the asphalt and after the hot asphalt has been applied even though it sets to an apparently solid film, it no longer possesses its original durable qualities.

Glidden Emulsified Asphalt Coatings are cold process water emulsions produced without the use of heat or solvent oils. The natural durability and long life of the pure asphalt is not only entirely preserved but is further fortified by the addition of durable oils and basic pigments. Adheres equally well on either a wet or dry surface. Dries to touch in four to six hours depending on thickness of coating. One gallon covers approximately 80 square feet of surface one coat. Put up in 50 and 30 gallon drums, 5 and 1 gallon cans.



No. 5140 Gray



No. 5141 Green



No. 5142 Red



No. 5143 Black

GLIDDEN FACILITIES FOR SERVICE ARE NATION WIDE



Pigment Plant—St. Helena, Md.



National Headquarters—Cleveland, Ohio



Lithopone Plant—Ohio



White Lead Plant—Scranton, Pa.



Paint Manufacturing Plant—Minneapolis, Minn.



Paint Manufacturing Plant—San Francisco, Cal.



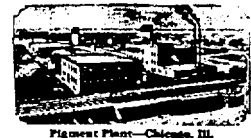
Paint Manufacturing Plant—Ohio



Paint Manufacturing Plant—Chicago, Ill.



Lacquer Plant—Chicago, Ill.



Pigment Plant—Chicago, Ill.



Paint Manufacturing Plant—New Orleans, La.



Paint Manufacturing Plant—Reading, Pa.



Pigment Plant—Collinsville, Ill.



PAINTS STAINS
VARNISHES ENAMELS



Paint Manufacturing Plant—Toronto, Ont.

Chicago, Ill.
Denver, Colo.
Oakland, Cal.
Houston, Tex.
Knoxville, Tenn.

St. Louis, Mo.
Birmingham, Ala.
Minneapolis, Minn.
Collinsville, Ill.
St. Helena, Md.

New Orleans, La.
Evansville, Ind.
West Palm Beach
San Antonio, Tex.
Reading, Pa.

THE GLIDDEN COMPANY
NATIONAL HEADQUARTERS—CLEVELAND, OHIO

Scranton, Pa.
Atlanta, Ga.
Dallas, Tex.
Seattle, Wash.
Kansas City, Mo.

Long Island City, N. Y.
St. Worth, Tex.
Birmingham, Ala.
Winnipeg, Man.
Baltimore, Md.

San Francisco, Cal.
Wilkes-Barre, Pa.
Binghamton, N. Y.
Toronto, Ont.
Boston, Mass.

Glidden Asphalt Oil Coatings

These are high melt point asphalts cooked with vegetable oils to produce elastic gloss black and colored asphalt paints. They are supplied in the same colors previously illustrated under Glidden Emulsified Asphalt Coatings on page 39. Certain industries, particularly packing houses, paper mills, soap plants, glycerine manufacturers and chemical plants find a great variety of conditions that require the acid and alkali resistance possessed by asphalt oil coatings such as these. Manufactured in Red (No. 5144)—Green (No. 5145)—Gray (No. 5146)—and Black (No. 5147). Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

No. 5155 "Tartar" Liquid Black

As the name implies this is a coal tar pitch liquid black manufactured in ready to brush consistency for use wherever a coal tar product is desired. Dries hard in six to eight hours with firm adhesion and a tough film. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

Glidden Asbestos Roof Coatings

These coatings manufactured in both plastic and liquid consistency are a combination of long fibre asbestos, asphalt and heavy waterproofing oils. They are dependable materials for repairing or recoating built up felt and other types of flat and semi-flat roofs. They will not run or sag when exposed to the hot sun, preserves the roofing felt, prevents rot, fills up pin holes and completely seals all leaks with a durable waterproof film. Made only in Black—Liquid (No. 613)—and Plastic (No. 612).

Glidden Exterior Graphite Paints

While in recent years the rust inhibitive claims formerly made for this type of material have been definitely proven false, there still remains some few users for such a product. In recognition of this fact these five graphite paints are offered as good paints of that class. Put up in 55 and 30 gallon wood barrels and 5 gallon cans. Not carried in stock, made up only on order



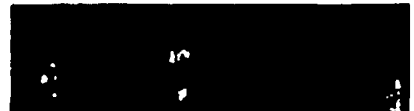
No. 5150 Gray



No. 5152 Red



No. 5151 Green



No. 5153 Brown

Also made in Black (No. 5154)

No. 5149 Suboxide Transformer Enamel



No. 5149 Suboxide Gray

These materials are recommended for finishing, oil transformers, transil oil storage tanks, oil circuit breakers, power line take offs, transmission line towers, sub-station transformers, sub-station towers, and similar equipment used in the generation and distribution of electricity.

No. 5149 Suboxide Transformer Enamel and No. 5148 Suboxide Transformer Primer are made from basic lead chromate and suboxide of lead, often called blue lead, which is one of the highest rated rust inhibitive pigments available for the manufacture of paint. At the Atlantic City Tests conducted by Sub-Committee IV, of Committee D-1 of the American Society for Testing Materials during the years 1910 to 1914 inclusive, only one other pigment (Basic Lead Chromate) was given a higher rating than blue lead as a rust inhibitor. Both the Primer and Enamel are dark gun-metal gray in color at the time of application and do not change in any way after exposure. One gallon of the primer covers approximately 450 square feet of surface one coat, the enamel approximately 475 square feet. The primer weighs seventeen pounds per gallon, the enamel sixteen and three-quarter pounds. Both products are put up in 55 and 30 gallon drums, 5 and 1 gallon cans. Detailed analysis furnished upon request.

ENGINEERING SPECIFICATION (NEW WORK)

Be sure the surface to be painted is clean and dry before applying any paint material.

1st Coat: Glidden No. 5148 Suboxide Transformer Primer. Apply this priming coat full body as received in the original container for brushing. Reduce with turpentine or mineral spirits to the proper consistency for spraying. Allow this priming coat forty-eight hours to dry.

2nd Coat: Glidden No. 5149 Suboxide Transformer Enamel. Apply this enamel coat full body as received in the original container for brushing. Reduce with turpentine or mineral spirits to the proper consistency for spraying.

No. 5175 Fire Hydrant Red Enamel

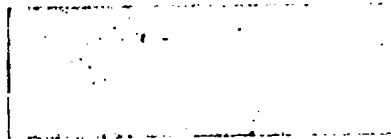


No. 5175 Fire Hydrant Red

The pigment used in this enamel is the Glidden Company Cadmium and Selenium Red. This is a furnace pigment that will not darken when exposed to heat, will not fade when exposed to sunlight, will not bleed through white stencils applied over it. A permanent, full gloss exterior and interior vermilion red for use on fire hydrants, fire extinguishers, fire alarm signals, fire doors, fire pails and barrels, fire equipment sheds, sprinkler system piping, machinery guards, elevator gates and danger signals. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{3}{8}$ gallon cans.

Glidden Ornamental Gloss Enamels

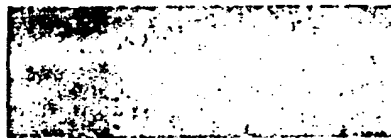
Full gloss finish coat enamels designed for durability and long life on exterior metal surfaces. Manufactured from non-fugitive pigments insuring permanent colors in every shade. Solid covering enamels that dry overnight to a durable brilliant gloss and tough weather resistant film. Used extensively on theatre marques, bulletin frames and attraction signs, amusement park auto scooters, carrouseles, aerial swings, miniature railways, penny arcades, ferris wheels and similar attractions. Also widely used for ornamental trim of steel sash and frames in office buildings, apartments and hotels. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon cans.



No. 5176 Rich Cream



No. 5182 Vert Green



No. 5177 Golden Yellow



No. 5179 Chrome Green



No. 5178 Tile Brown



No. 5184 Deep Green



No. 5181 Vermillion Red



No. 5180 True Blue



No. 5183 Dark Red

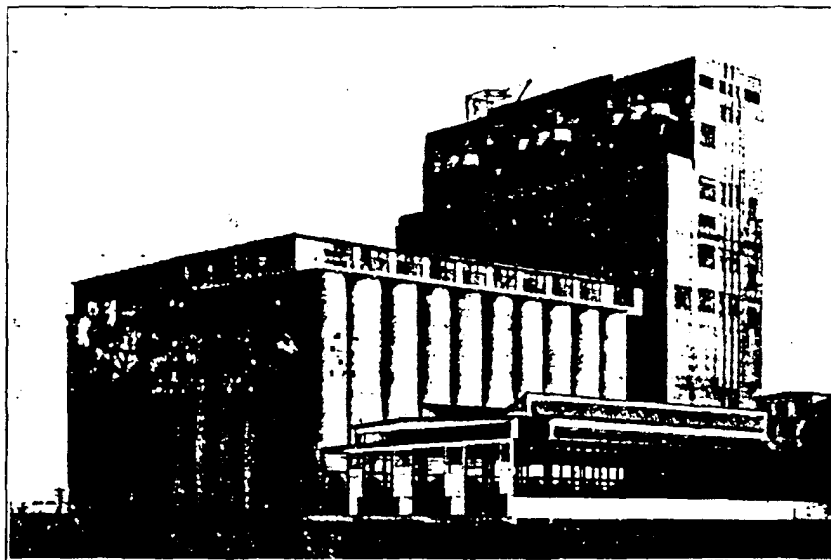


No. 5185 Rich Blue

Also made in White (No. 5186) and Black (No. 5187).

Preservation of Concrete, Brick and Stone

All concrete, cement, brick and natural stones are porous. All are more or less permeable and absorbent. Their porous composition permits the flow of liquids through the intricate honeycombing structure of the mass. Their characteristic absorption will readily assist the entrance of such liquids through the medium of capillary attraction. Contrary to popular belief, these so called permanent materials of the earth are not permanent, and unless they are properly protected they will inevitably be destroyed.



Grain Elevator Exterior Maintenance

Among all of the many factors of erosion that constantly menace the strength, durability and life of such structures, water is by far the greatest factor. It is always present, readily absorbed and continuously in motion. It is the universal solvent. It is a solid, a liquid and a vapor and in one form or another it will attack and destroy material if given sufficient time. The successful preservation of concrete and kindred materials is more dependent on protection against water than all other factors combined.

When you consider that water increases ten per cent in volume upon freezing; and that in so doing it will, if confined, exert a pressure in excess of 10000 pounds to the square inch; and that, in a temperate climate such as ours, this pressure is exerted many times in the course of each year; it is not hard to understand why water represents the greatest physical factor in the disintegration of a porous concrete surface. Add to this the ability to resume a liquid form, to act as a carrying medium bringing the acids and alkalis of the earth to supplement chemically the sub surface pressure, and the further ability to produce through electrolytic action the corrosion and eventual disintegration of reinforcing metal and you can

Preservation of Concrete, Etc., (Cont'd)

readily understand why water not only represents the greatest physical factor but the greatest chemical factor as well.

It is this complete understanding of the true proportions of water in relation to the destruction of such surfaces that enables the reputable paint manufacturer to produce useful products with which to protect this type of construction. Of the four successful methods of waterproofing i.e. Surface Coating, Membrane, Mastic and Integral, three are dependent on the paint manufacturer for their success.

The products of The Glidden Company, described in detail on the following pages represent an experience of more than seventy-five years, covering the climatic and geographic conditions of every country on the continents of North and South America.

DIRECTIONS FOR PAINTING CEMENT

Cement, in the process of setting produces a certain amount of calcium hydroxide, free lime in a hydrated condition. Calcium hydroxide, being a strong alkali, will immediately saponify the vegetable oils of a paint coating into soap. The first rain washes off the soap and leaves only the dry dead pigment of the paint clinging loosely to the surface. The loose pigment completely perishes in a short time and the work must be done over. Here, in a few brief sentences you have the concise history of countless unsatisfactory attempts to paint a cement surface.

Neutralize free lime in new cement by washing the surfaces to be painted with a solution composed of three pounds Sulphate of Zinc dissolved in one gallon of water. Use either a brush or spray and apply a liberal coat. Allow surfaces so treated ample time for thorough drying before commencing to paint. This wash coat of Zinc Sulphate combines with the Calcium Oxide to form Zinc Oxide and Calcium Sulphate neither of which are caustic in nature or harmful to paint.

Cement, because of its structure and method of manufacture is porous, permeable and absorbent. A new cement surface that has been thoroughly neutralized by a liberal Zinc Sulphate wash still possesses sufficient suction to completely rob a paint coating of all its oil in a very short time, again leaving nothing but dry dead pigment on the surface to quickly perish and powder off.

Seal new cement in addition to neutralizing it. Use a lightly pigmented sealer that has a suitable filler to assist the oils in overcoming the natural porosity of the surface. Be sure the oils are thin enough to insure proper penetration and absolutely waterproof. Use sealing materials, of reputable manufacture, designed exclusively for the purpose of sealing. They will always give more satisfactory results than can be obtained from reducing ordinary paints with linseed oil or mineral spirits to a thin consistency.

When cement has been properly neutralized and properly sealed, it can be painted in the same manner as a wood or metal surface except that care should be taken to positively require that all paints used for painting cement be absolutely waterproof.

Maintenance Engineering Department
National Headquarters—Cleveland, Ohio.

Glidden Waterproof Exterior Masonry Paint

This product is strictly a masonry paint, recommended for damp proofing and rendering uniform the color of exterior concrete, cement, stucco, stone, brick and unglazed tile. It resembles ordinary paints in general working qualities and physical characteristics but should not be confused with them as it is chemically an entirely different type of product. It is formulated specifically for use as a masonry finish and should be used as such.

Glidden Waterproof Exterior Masonry Paint is basically a combination pigment paint containing covering pigment, tinting color and inert ground in a waterproof china wood oil mixing varnish. It combines carefully selected solid covering pigments with the most waterproof film it is possible to produce without resorting to the use of by-product mineral oils that would discolor and stain the surface.

The china wood oil mixing varnish which comprises one hundred per cent of the vehicle used in this product is treated to secure proper penetration, high resistance to lime and low gloss. It dries with an egg shell finish that dulls down in approximately sixty days to a cement or stone texture, having more the appearance of a cleaned surface than one that has been painted. It penetrates well into the porous masonry and expands slightly upon drying, in this manner sealing the surface and securing firm adhesion. One gallon covers approximately 250 square feet of surface one coat. Average weight fifteen pounds per gallon. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. Detailed analysis furnished upon request.

DIRECTIONS

Carelessness in properly mixing your paint invariably results in poor covering, non-uniform color, and generally unsatisfactory results. Be sure that the contents of each package is thoroughly agitated from the bottom until the pigment is evenly incorporated throughout. Remove the entire head of the package, pour or dip off half the liquid, stir the balance of the paint with a flat paddle that will reach the edges of the container until all the pigment is in suspension, then gradually pour back the liquid portion previously drawn off. Stir your paint frequently while painting.

ENGINEERING SPECIFICATION (NEW WORK)

PREPARATION OF SURFACE

The surfaces to be painted shall receive a liberal wash coat of a solution consisting of three pounds Sulphate of Zinc dissolved in one gallon of water. Allow this wash coat ample time for thorough drying. After the specified wash coat has thoroughly dried the surfaces to be painted shall be carefully brushed throughout with a stiff Aztec Fibre Brush.

Sealing Coat: No. 6109 Exterior Masonry Primer. Apply without reduction, full body as received in the original container either for brush or spray. Allow ample time for thorough drying.

1st Coat: Glidden Waterproof Exterior Masonry Paint. (Insert code number and name of color selected.) To each gallon of paint add one pint No. 6107 Exterior Masonry Paint Reducer either for brush or spray. Allow ample time for thorough drying.

2nd Coat: Glidden Waterproof Exterior Masonry Paint. (Insert code number and name of color selected.) Apply without reduction, full body as received in the original container for brushing. Reduce with No. 6107 Exterior Masonry Paint Reducer to proper consistency for spraying.

Note: No thinning of paint materials should be permitted except as specified herein.

Glidden Waterproof Exterior Masonry Paint



No. 6101 Light Cream



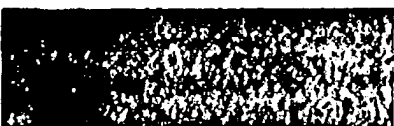
No. 6104 Cement Gray



No. 6102 Light Drab



No. 6105 Brick Red



No. 6103 Dark Buff



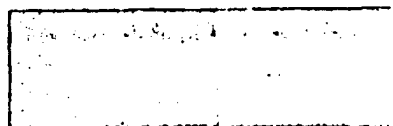
No. 6106 Russet Brown

Also made in White (No. 6100)

No. 6109 Exterior Masonry Primer

A lightly pigmented sealing material in which covering pigments are combined with waterproof oils and gums. It is intended for the proper sealing of concrete, cement, brick, stone, stucco and unglazed tile, after the free lime has been neutralized. It is constructed specifically for sealing masonry and is not intended for use as a neutralizing agent and should not be used for this purpose.

The pigment content is ground exceptionally fine and acts as a reinforcing filler to supplement the sealing action of the vehicle. The oils and gums contained in the liquid are the most waterproof materials it is possible to produce or obtain. Upon drying there is a slight expansion which acts as an anchor in the pores of the masonry surface, thereby insuring thorough sealing and close adhesion. Under normal conditions it will dry satisfactorily over night producing a tough even film that thoroughly seals the surface and serves as a suitable ground coat for the masonry paint that is later applied. One gallon covers approximately 250 square feet of surface one coat. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.



No. 6109 Exterior Masonry Primer

No. 6107 Exterior Masonry Paint Reducer

This material is made from the same waterproof oils and gums used in Glidden Waterproof Exterior Masonry Paint but has a lower viscosity to insure proper penetration. It is designed for use as a reducing material in conjunction with Glidden Waterproof Exterior Masonry Paint, and should be used as specified to procure satisfactory adhesion of first coats and to obtain the correct reductions necessary for spray application. It should be clearly understood that this reducer is intended specifically for use in conjunction with Masonry Paints on Masonry surfaces. It is not a suitable reducer for other types of paint or other types of surface and can not be successfully used for such work. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.

No. 6108 Transparent Masonry Coating

A light colored transparent liquid coating that will render adequate protection, prevent efflorescence and staining, and thoroughly waterproof the porous exterior surfaces of all types of masonry. This material consists of treated oils and gums permanently combined at high temperatures to produce a clear penetrating, waterproof coating that will dry hard over night and leave no unsightly stain or film on the surface treated. It should not be confused with No. 6107 Exterior Masonry Paint Reducer as there is nothing in common between the two materials other than that they are both transparent. Neither can be used to successfully replace the other, nor can either one be used for both purposes. This material is intended only to properly waterproof and prevent discoloration of bare masonry. It can not be used over old paint. One gallon covers approximately 200 square feet of average surface one coat. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

No. 6117 Colorless Waterproofing Liquid

This material is essentially a light viscosity, penetrating, liquid wax product intended for waterproofing and polishing cut stone inlays of marble, granite, tile, brick and the ornamental exterior cement work often encountered in public auditoriums, government buildings, theatres, department stores and office buildings. It is absolutely colorless when applied to the work and is a very dependable waterproofing liquid that is easy to apply full body either by brush or spray. It dries quickly, penetrates evenly and enhances as well as protects the beauty of the structure. Care should be taken to see that all moisture is out of the masonry before this colorless waterproofing liquid is applied. Put up in 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.

No. 6119 Wet Masonry Sealer

An opaque fluid designed for sealing under Glidden Wet Masonry Paints on wet or dry masonry surfaces that have been properly neutralized or naturally cured. Can be applied either to a wet or dry surface but can not be used successfully on a surface that is still "green". For this reason it is only recommended on masonry surfaces that have been properly neutralized or surfaces that have been aged and naturally cured. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

Glidden Wet Masonry Paints

The problem of painting a wet masonry surface has long been a source of controversy and experiment. Cement washcoats, cement powder coatings, cold water paints, casein calcimines and the so called hydraulic paints have all been recommended and discarded as unsatisfactory. Yet the need for a suitable wet masonry paint still is evidenced on every hand. Swimming pools in amusement parks, retaining walls of reservoirs, concrete bridge abutments, dams, pumping stations, filtration plants and many other structures need and would use an attractive paint coating to uniform their wet masonry if one could be found that would render satisfactory service for a reasonable period of time.

For this class of industrial structures we introduce and recommend the Glidden Wet Masonry Paints. Designed and produced like ordinary paints, applied and reduced like ordinary paints, brushed out or sprayed like ordinary paints, but not ordinary paints at all. These materials while having all the characteristics of oil paints and the working qualities of oil paints are really chemical coatings designed after four years of continuous experiment and actual test to produce suitable coatings for wet masonry.

They are applied to either wet or dry surfaces, with moisture in the surface or over water standing on the surface, in exactly the same manner as an ordinary paint would be brushed or sprayed on a clean dry surface. In from four to six hours after application they will have forced all the surface water through the film of the coating and in ten hours will have generated sufficient heat to drive the moisture completely out of the film. In twelve hours the film of the coating will be hard and dry with the original surface water standing on the outside of the dried paint.

They are chemical coatings, prepared from vegetable, animal and mineral oil solutions in the form of ordinary liquid paints, sold by the gallon ready to apply with either a brush or spray as many coats as are required to secure adequate coverage. One gallon covers approximately 250 square feet of surface, one coat. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

ENGINEERING SPECIFICATION (NEW WORK)

Preparation of Surface: The surfaces to be painted shall be thoroughly cured by natural seasoning or shall be chemically neutralized by a liberal wash coat of a solution consisting of three pounds Sulphate of Zinc dissolved in one gallon of water. This wash coat shall be allowed to remain on the wet or dry masonry for forty-eight hours before the surface is sealed.

Sealing Coat: Glidden Wet Masonry Sealer:—Apply without reduction, full body as received in the original container either for brush or spray. This sealing coat shall be allowed to remain on the wet or dry masonry for twenty-four hours before the surface is painted.

1st Coat: Glidden Wet Masonry Paint. (Insert code number and name of color selected.) Apply without reduction, full body as received in the original container for brushing. Reduce with ordinary turpentine or mineral spirits to proper consistency for spraying.—Allow this first coat to remain on the wet or dry masonry for twelve hours before the surface is recoated.

2nd Coat: Glidden Wet Masonry Paint. (Insert code number and name of color selected.) Apply without reduction, full body as received in the original container for brushing. Reduce with ordinary turpentine or mineral spirits to proper consistency for spraying.

Glidden Wet Masonry Paints

No. 6111 Ivory White



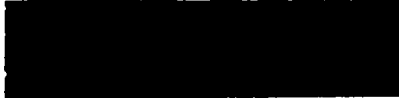
No. 6112 Light Tan



No. 6113 Clay Gray



No. 6114 Concrete Gray



No. 6115 Medium Red

No. 6116 Medium Green

Also made in White (No. 6110)

No. 4230 Expansion Joint Paste

A plastic compound of putty consistency intended for use in filling expansion joints, so designed that it remains plastic and effectively compensates for the natural expansion and contraction of the structure. It is waterproof and durable. It adheres indefinitely to the surface and never dries out hard and brittle. It is readily applied without the addition of solvents or heat. Comes ready to use in 600, 300, 100 and 50 pound packages. One pound contains approximately 25 cubic inches.

No. 4232 Sub Surface Waterproof Black

A mineral asphalt compound of heavy liquid consistency intended for the permanent waterproofing of structures either during construction or after erection. Equally adaptable for surface coating, membrane, sheet, brick, or tile mastic systems of waterproofing. Can be applied to either a wet or dry surface. Adheres readily to all types of masonry and to all approved types of membrane felts and fabrics. Requires neither solvents nor heat for its proper application. Can be brushed or sprayed without impeding in any way its proper penetration. Sets up for recoating in four to six hours. Serves as a waterproofing seal and plaster bond on interior work where it is used to insulate plaster from the penetration of moisture and frost. Serves to waterproof tunnels, reservoirs, cisterns, tanks, stand-pipes, swimming pools, retaining walls and other types of construction in quick sand, spring banks, beneath water tables of soil, or under water. Can be applied to either inside or outside surfaces, floors, walls or ceilings. Is unaffected by acids or alkalis in the ground and dries sufficiently hard to withstand abrasion when excavations are back filled. Specific information and directions for use supplied upon request. Put up in 600, 300, 100 and 50 pound packages.

Glidden Exterior Cement Paint

A dry powdered cement product which when mixed with the proper quantity of water produces a liquid cement paint suitable for either brush or spray application. A very practical and economical finish for exterior stucco, concrete, brick, cement plaster or concrete block surfaces. Can be applied on either exterior or interior surfaces and does not dust, powder, flake, chalk, blister, nor peel off. Produces a washable finish that effectually seals the surface and prevents the absorption of water. Used extensively as a concrete and cement finish on pulp and paper mills, dairy collection plants, warehouses, subways and grain elevators. Care must be taken to follow directions exactly as specified if satisfactory results are to be obtained with these materials. Put up in 600, 300, 50 and 10 pound packages.

ENGINEERING SPECIFICATION (NEW WORK)

Preparation of Surface: The surfaces to be painted shall be carefully brushed to remove all dust and dirt. Any efflorescence shall be scrubbed off with a solution of one part muriatic acid in ten parts of water and shall thereafter be immediately rinsed with clear water to remove any excess acid. Sidewalls and floors of swimming pools, also surfaces that have previously been painted with calcimine, whitewash, or cold water paint must be thoroughly cleaned and all of the old finish removed before any cement paint is applied. Thoroughly saturate the clean surface with water before applying each coat of cement paint.

1st Coat: Mix ten pounds Glidden Exterior Cement Paint (Insert code number and name of color selected) with three quarts of water. Stir thoroughly being careful to mash all lumps. Apply with Dutch or white wash brush using a horizontal sweeping stroke. Use stiff bristle brushes and keep them full of paint. Sprinkle this first coat with fine spray as soon as it has hardened sufficiently to not wash off.

2nd Coat: Mix ten pounds Glidden Exterior Cement Paint with five pints of water in same manner as specified for first coat. Apply as previously directed wetting down the first coat before applying second coat.

No. 702 Ivory White

No. 705 Light Gray

No. 703 Cream White

No. 706 Pearl Gray

No. 704 Medium Buff

No. 707 Stone Gray

Also made in White (No. 701)

No. 4231 Asphalt-Cement Mastic

There are three distinct uses for this product. Its acid and alkali resistance makes it applicable as a concrete tank and vat sealing medium employed to prevent the seepage commonly encountered in the storage of vinegars, pickles, molasses, fermenting foods and vegetable oils. Its waterproofing qualities makes it readily adaptable to all types of membrane, mastic and surface waterproof construction, waterproof cement finish-coats above or below grade and as a damp-proofing bond for plaster. Its resilience, toughness and durability provides an excellent mastic flooring for either exterior or interior service that will withstand greater mechanical and chemical abuse than the ordinary concrete floor.

This product is a water emulsion of mineral asphalt designed to be mixed on the job with cement and silica sand. As almost every job undertaken represents both a variation of conditions and different results to be accomplished it is impossible to cover in the available space the many specifications that apply. For full information on your particular problem write the Maintenance Engineering Department, National Headquarters, Cleveland, Ohio.

No. 6127 Paste Brick Red

Makes an almost perfect imitation of new pressed brick on any brick surface when properly thinned with turpentine and applied over a suitable undercoating. Dries perfectly flat in from two to three hours after application. Rain will not injure the flat brick red surface after it has dried.

Venetian Red in Oil is the proper undercoater or sealer to use with this product. The undercoat should be mixed on the basis of 100 pounds Venetian Red—5 gallons of Raw Linseed Oil— $\frac{1}{4}$ gallon Turpentine— $\frac{1}{4}$ gallon Turpentine Japan.

After the undercoat has been allowed to thoroughly dry the finish coat of Paste Brick Red should be applied. The finish coat should be mixed on the basis of 100 pounds Paste Brick Red to 5 gallons of turpentine. When applying the finish coat all the work must be gone over at one time as this product dries very rapidly and can not be touched up without showing spots.

No. 6130 Crystalline Hardener

Obtainable as either a dry crystal or liquid ready for use. A surface hardener for use on all types of concrete and cement surfaces, particularly floors, driveways, storage yards and service station pits where a hard, non-absorbent, stain-proof cement or concrete surface is desired. The liquid is made by dissolving one and one-half pounds of the crystals in one gallon of water and is applied either with brush, broom or spray. Three coats are recommended allowing an over night dry between coats. This product is also used on vertical concrete and cement structures to waterproof and harden the exposed surface. Put up in 100, 50 and 25 pound packages, 55 and 30 gallon drums, 5 and 1 gallon cans.

Glidden Gloss Exterior Masonry Enamels

Particularly in the oil and food industries there are a great variety of concrete, cement, brick and stucco buildings such as service stations and retail stores that require a gloss enamel finish for publicity, sanitation and appearance. Glidden Gloss Exterior Masonry Enamels were developed expressly for this demand. They are full gloss enamels, in permanent shades, that can be washed daily without dulling the lustre or destroying the film. These materials are all designed to be used for both the intermediate and finishing coat and require no additional materials other than that new concrete surfaces be properly neutralized and sealed. The pigments used in each color are permanent to prevent fading and the vehicle used is designed to be waterproof, free working and elastic. These materials dry overnight to a full varnish gloss, with a tough, durable film. Average weight fifteen and one-quarter pounds per gallon. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. One gallon covers approximately 300 square feet of surface one coat. Detailed analysis furnished upon request.

ENGINEERING SPECIFICATION (NEW WORK)

Preparation of Surface: The surface to be painted shall be thoroughly cured by natural seasoning or shall be chemically neutralized with a Zinc Sulphate wash. When neutralized it shall be properly sealed with one coat of No. 6109 Exterior Masonry Primer and this prime coat shall be allowed to dry for twenty-four hours before enamel coats are applied.

1st Coat: Glidden Gloss Exterior Masonry Enamel (Insert code number and name of color selected). Reduce this first coat with one pint turpentine to each gallon of enamel either for brush or spray. Allow overnight dry.

2nd Coat: Glidden Gloss Exterior Masonry Enamel (Insert code number and name of color selected). Apply without reduction, full body as received in the original container for brushing. Reduce with turpentine to proper consistency for spraying.

No. 6121 Rich Cream

No. 6124 Pearl Gray

No. 6122 Light Buff

No. 6125 Tile Green

No. 6123 Putty Brown

No. 6126 Clay Blue

Also made in White (No. 6120)

Maintenance Paints

Building Interiors and Interior Equipment

Interior maintenance presents, in addition to the purely protective consideration of the surface, a much larger and more complex field of painting requirements created by the production, lighting and sanitation standards appropriate for the kind of work done, the nature of the commodity produced and the class of labor employed. For example, no one will dispute the durability, protection and utility of aluminum paint as applied to the interior of a rolling mill, foundry or coal mine, yet the same aluminum paint would be utterly out of place on the interior of a hospital, bakery or fine hotel because it violates the cardinal principal of all interior decoration—appropriateness.

Management is today giving more careful consideration to interior maintenance than ever before. Plant engineers are showing less interest



Interior Industrial Maintenance

in the technical analysis of paint materials and learning more about what paint can do to improve their plants. Personnel directors are finding that employees react best for themselves and therefore best for their employers when surrounded by the best environment compatible with the work to be done. Production managers are compiling new records and reports which illustrate conclusively that the individual worker's cheerfulness, enthusiasm and production increases directly as his emotions are stimulated by adequate lighting, colorful surroundings, orderliness and cleanliness. Even advertising managers are capitalizing on the publicity value of at-

Maintenance Paints (Cont'd)

tractive plant surroundings to create favorable acceptance and increase demand for their products. Hundreds of plants are open to the public today where only dozens were open ten years ago.

All of these conditions indicate the constantly growing interest in this new era of evolving and extending the use of color. Witness the hospital, a few years ago it had a cold, glittering, unnatural interior, whose glossy whiteness fairly shouted efficiency and cleanliness. Today the same hospital uses white only, if at all, in the professional units where light requirements make it necessary. In all the remaining portions of the building, soft, colorful tints are employed to produce natural environments that can be relied upon as an aid to getting well. What the hospital has already learned in the treatment of the sick is prophetic of the benefits that will accompany a like treatment of the healthy. Color is fundamentally a desirable and powerful influence upon happiness.

Naturally with this increased public interest the entire gamut of good, bad and indifferent use of color will be encountered. The experience, knowledge and motive of those responsible for color-schemes will vary so much that the results accomplished will in many cases prove unsatisfactory. The consideration of an appropriate color-scheme for ceiling, walls, columns, structural members and machines is an important and difficult task that should not be undertaken by anyone but an expert who has been trained to consider all of the contributing factors pertaining to both the manufacturing limitations of the plant and the physical and chemical limitations of the finishing material.

It is significant that in a paint center such as Cleveland, Ohio, with seventy-four paint manufacturers of varying size and reputation, The Glidden Company was chosen to cooperate in the selection of colors and the preparation of panels used by Dr. M. Luckiesh in his recent demonstration lecture "Color in the Work World." This lecture, given in New York City on February 10th and 11th of this year under the combined sponsorship of "The Museum of Science and Industry," "The American Society of Mechanical Engineers," "The American Institute of Electrical Engineers" and "The New York Electrical Society", is indicative of the ever increasing amount of serious consideration being given to the use of color in the industrial, commercial and mercantile fields.

In the following pages the various interior finishing materials manufactured by The Glidden Company are illustrated and described. There has been no attempt made in this small booklet to discuss any specific color-scheme or the proper treatment of any industrial interior. There is available, however, a complete and competent force of maintenance engineers who are at your command at any time without obligation. They are men trained and qualified to standardize your requirements upon a thoroughly practical and appropriate basis that will provide both economical maintenance and profitable environment.

Maintenance Engineering Department,
National Headquarters--Cleveland, Ohio.

Spray - Day - Lite

The Modern Interior Eggshell Gloss Finish



LOOK AT THE ROOF!

Here's a plant partially repainted. What a difference fresh paint makes!

Spray-Day-Lite is a full eggshell gloss when applied by spray over any type of unpainted surface. Surfaces that have been painted previously may show a higher gloss depending on conditions. Made in white and six tints.

Spray-Day-Lite is made with Titanolith, a new and superior titanium pigment, patent No. 1600772-3, weighs 14 pounds to the gallon and is for interior use only.

It is shipped in 55-gallon drums equipped with agitators that mix the contents thoroughly.

One drum of 55 gallons of Spray-Day-Lite will cover over painted surfaces from 10,000 to 18,000 square feet. Over old or new unpainted surfaces, it will cover 9,000 to 12,000 square feet of area.

It will produce better, whiter results than two coats of ordinary whites.

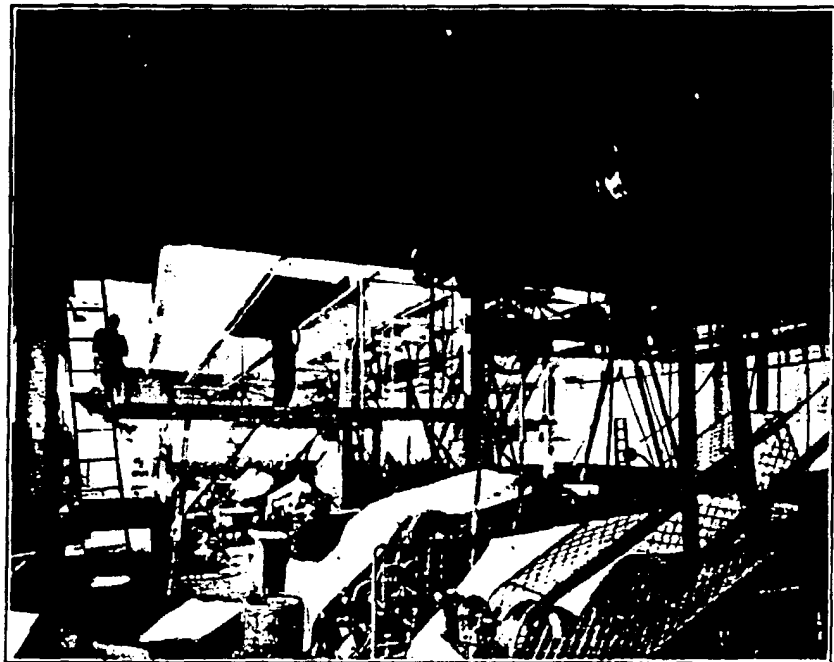
It applies evenly with little fog, and produces a white, smooth covering that can be washed like tile, even over grimy, dirty surfaces.

It does not flake, crack, chip or peel over a solid surface.

It can be successfully applied to cement, slate, tile, plaster, steel, wood and stucco. One coat is sufficient.

It can be applied heavy or thin. Is shipped ready for use.

Demonstrations of Spray-Day-Lite can be held wherever you say — and at any time.



Note the difference in lighting because of Spray-Day-Lite! Consider the increased efficiency of your workers, even at today's shortened hours, with the better lighting conditions secured through Spray-Day-Lite.

"WHAT WILL SPRAY-DAY-LITE COST ME FOR MY PLANT?"

Let's Figure 20,000 Square Feet for Example:

Approximate Total Cost (Material and Labor) for 5 years.....	\$255.00
Divide the total cost by number of days in 5 years which shows a daily cost of....	.14
Average cost of lighting 20,000 square feet of surface per 8-hour day at rate of 8 kilowatts per hour @ 2c each.....	1.28
Saving per 8-hour day on light, effected by painting estimated surface with white, should be two hours minimum. Saving per day.....	.32
YOUR CASH SAVING AFTER PAYING FOR SPRAY-DAY-LITE SHOWS AN APPROXIMATE AVERAGE PER DAY OF.....	.18

APPLICATION

Preparation of Surface: On new work, neutralize all plaster, cement, etc., with Zinc Sulphate wash. On old work, particularly over old calcimine and whitewash, scrape off all cracked, loose, or scaling particles and wire brush down to a sound surface that will not dust off when rubbed with the hand. Seal in all calcimine or whitewashed surfaces with No. 4270 Clear Masonry Sealer.

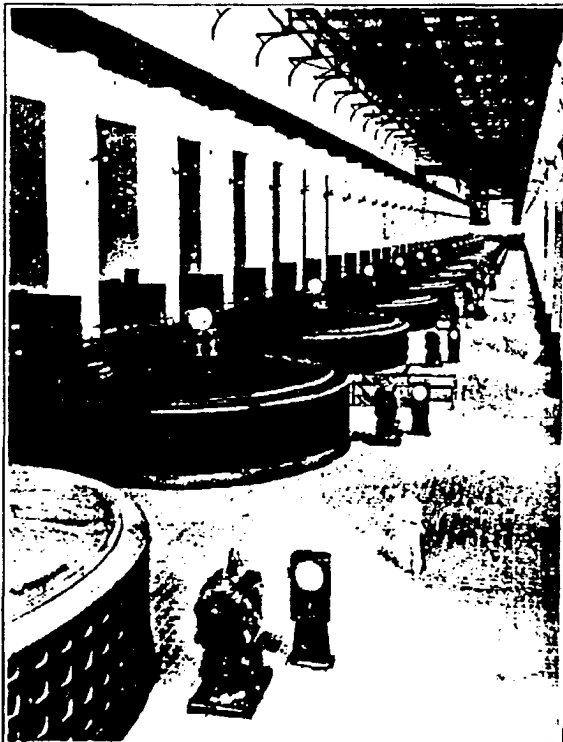
SOME USERS

Breweries: Anheuser-Busch Co., Reading Brewing Co., Century Distilling Co., Hiram Walker's Distilling Co. **Foods:** The General Baking Co., Standard Brands, Inc., Quaker Oats Co., The Coca-Cola Bottling Co. **Textiles:** The Bigelow-Sanford Co., The Eagle Phoenix Cotton Mills, The Chicopee Mfg. Co., American Fabrics Co., Gold Seal Knitting Co., Buckley Underwear Co., The Standard Knitting Mills Co. **Miscellaneous:** Owens-Illinois Glass Co., Gillette Safety Razor Co., Willard Storage Battery Co., Reed Barton Co., The Link Belt Co.

Glidden "INSILITE" Whites

(Inside Light)

Interior white paints have probably caused more competitive wrangling and argument than any other one paint product. So many statements have been made, so much elaborate literature has been printed, such exaggerated descriptions have been circulated that it is now becoming difficult to find anyone who will give credence to either past or present claims. Naturally with so much agitation and competition on one product all kinds of wild assertions, promises and testimonials are resorted to in the solicitation of business until now it has been found necessary by some manufacturers to offer guarantees of various kinds in an effort to stimulate sales.



Power House Interior Maintenance

The story of Glidden "Insilite" Whites is simply and briefly told. The Glidden Company refine, age, body, and bleach the "Insilite" oils. The Glidden Company manufacture all of the "Insilite" pigments. The Glidden Company produce and merchandise the "Insilite" paints and **The Glidden Company welcomes the opportunity to enter any "Insilite" material in competition with any other similar interior white on any comparative basis and for any period of time considered adequate by the customer.**

"WHEN YOU PAINT WHITE—USE INSILITE."

No. 1440 "INSILITE" Undercoat

(Inside Light)

This material is designed as a combination undercoat and sealer for use only on bare walls that have been naturally cured or properly neutralized with Zinc Sulphate wash. It is lightly pigmented with very opaque pigments that provide sufficient coverage to serve as a satisfactory undercoat without reducing the amount of oil necessary to properly seal the surface. Under normal drying conditions this material will dry hard overnight with sufficient coverage to permit of satisfactory two coat work if desired. One gallon covers approximately 350 square feet of surface, one coat. This material weighs twelve and one-half pounds per gallon. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

No. 1441 "INSILITE" Flat

(Inside Light)

A solid covering, extremely hard, flat material suitable for use as an undercoat over old painted surfaces where the porosity of the wall has been previously sealed, or as a flat finish coat wherever a flat finish is desired. Manufactured entirely with oil to insure easy working, proper leveling and a hard drying washable flat finish. Under normal drying conditions this material will dry hard for recoating overnight, with an extremely dense film that will prevent oil absorption and flattening in the succeeding coats. One gallon covers approximately 400 square feet of surface, one coat. This material weighs fifteen and three-quarter pounds per gallon. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

No. 1442 "INSILITE" Semi-Gloss

(Inside Light)

In this product there is provided a genuine semi-gloss enamel for all normal condition interior requirements. This is not an eggshell intermediate or enamel split coat material and should not be used as such. Manufactured entirely from oils to insure proper leveling and flowing properties. Works easily under the brush, flows out perfectly, covers solidly and dries in from twelve to fifteen hours to a beautiful, pure white, semi-gloss film that can be washed or scrubbed as often as desired. One gallon covers approximately 500 square feet of surface one coat. This material weighs fifteen and one-quarter pounds per gallon. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

No. 1444 "INSILITE" Fumeproof Semi-Gloss

(Inside Light)

Fumeproof materials cannot be made that will prevent the deposit of dirt upon the surface. This material will not discolor in the presence of fumes that would destroy the color of ordinary materials. Being an unusually hard semi-gloss material it will not soften and pick up dirt as other fumeproof materials are prone to do. Made entirely from varnish this product is naturally harder to brush than the oil enamels and because of this feature it should be sprayed whenever practicable. Dries in twelve hours under normal conditions. One gallon covers approximately 450 square feet of surface one coat. This material weighs fifteen pounds per gallon. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

No. 1443 "INSILITE" Gloss

(Inside Light)

Made entirely from oil refined, aged, bodied and bleached in our own plants by our own process, this gloss white finishing enamel represents the finest interior white we know how to manufacture. The pigments used are all of our own production and are prepared exclusively for this product. They are responsible for its absolutely pure white color, solid coverage and strong hiding power. Under normal conditions this material will dry hard in from twelve to eighteen hours. One gallon covers approximately 500 square feet of surface one coat. This material weighs fifteen pounds per gallon. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.



Paper Plant Interior Maintenance

ENGINEERING SPECIFICATION - NEW WORK -

Preparation of Surface: The new plaster, cement, concrete, brick or stucco surfaces to be painted shall be given a liberal wash coat of a solution consisting of three pounds Zinc Sulphate dissolved in one gallon of water. Allow this wash coat ample time for thorough drying. All wood, wall board, or masonite surfaces to be painted must be clean and dry. All metal surfaces must be clean and free from rust.

Sealing Coat: No. 1440 "Insilite" Undercoat. Apply without reduction, full body as received in the original container either for brush or spray. Allow overnight dry. **NOTE:** This coat is omitted on metal surfaces.

1st Coat: No. 1441 "Insilite" Flat. Apply without reduction, full body as received in the original container for brushing. Reduce with turpentine or V. M. & P. Naphtha to proper consistency for spraying. Allow overnight dry.

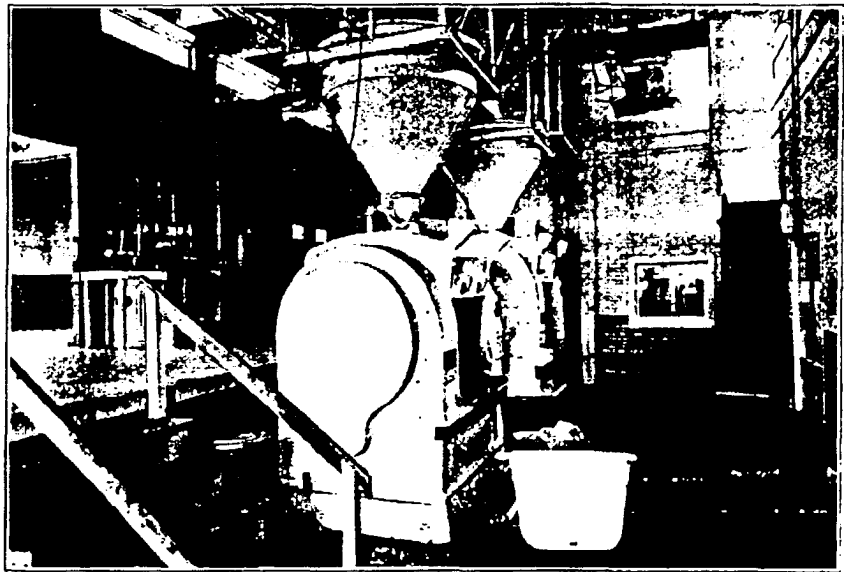
2nd Coat: No. 1443 "Insilite" Gloss. Apply without reduction, full body as received in the original container for brushing. Reduce with turpentine or V. M. & P. Naphtha to proper consistency for spraying.

Note: The above specifications apply to all "Insilite" Materials where three coat work is recommended. In two coat work the 1st coat of Insilite Flat is omitted except on metal where it is used as the priming coat. In the event that a flat finish is specified, in two coat work the 1st coat as given in this specification becomes the finish coat.

No. 1445 "INSILITE" Fumeproof Gloss

(Inside Light)

The formulation of this material is such that it will remain white in the presence of abnormal fume conditions such as are often encountered in the cooking of foods, baking of bread and cakes, and the production of milk and ice cream. The liquid vehicle is composed entirely of varnish and for that reason this product does not have the free working qualities of the other oil materials. The pigments used are all fumeproof and are carefully chosen to insure a pure white color, strong hiding power and solid coverage. This is a full gloss finish coat that can be applied either full body for brushing or reduced with turpentine or mineral spirits to the proper consistency for spraying. Unlike many so called fumeproof finishes, this enamel will dry hard in from twelve to sixteen hours and will not soften up and collect dirt upon the surface. This feature is a distinct advantage as very often the utility of the finish is destroyed simply by a deposit of dirt on the surface rather than by any discoloration of the paint. One gallon covers approximately 450 square feet of surface, one coat. This material weighs fourteen and one-half pounds per gallon. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.



Wholesale Bakery Interior Maintenance

No. 1446 "INSILITE" Enamel

(Inside Light)

A full gloss interior or exterior oil enamel of the finest quality. Designed to be used as a finish coat on either exterior or interior wood, metal, cement, brick, plaster or stucco surfaces. Can be applied full body for brushing or reduced with turpentine to the proper consistency for spraying. Free working. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans. Requires overnight to dry.

60

GLD31716

Glidden Gloss Dado Enamels

Glidden Gloss Dado Enamels are manufactured with solid covering pigments on a formula incorporating China Wood Oil Mixing Varnish treated to insure proper leveling and flow. This treated oil vehicle is also responsible for the high resistance possessed by these enamels to dilute acids and alkalis commonly used in cleaning preparations. They possess excellent hiding power, good coverage and adhere firmly to the surface. They dry hard overnight with a high gloss, tough, durable film. They are brushed full body and reduced with Turpentine or Mineral Spirits for spray. When used as interior trim for doors, door frames, window sash and frames they should be reduced with one quart of boiled oil to each gallon of enamel for first coat work on wood. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans. One gallon covers approximately 580 square feet of surface, one coat. Average weight twelve and three-quarter pounds per gallon. Detailed analysis furnished upon request.



No. 1418 Rich Buff



No. 1421 Warm Gray



No. 1424 Sand Stone



No. 1422 Lead Gray



No. 1419 Dust Brown



No. 1423 Slate Gray



No. 1429 Light Terra Cotta



No. 1420 Blue Gray



No. 1427 Oak Brown



No. 1425 Olive Green



No. 1428 Dark Terra Cotta



No. 1426 Chrome Green

Glidden Factory Mill Whites

As the name implies these materials are uniform quality, moderate price products designed to give satisfactory service in factories and mills where physical conditions do not justify the highest grade paints. Manufactured in flat, eggshell and gloss quality for normal exposure and fume-proof gloss for abnormal exposure. These products are all solid covering, combination pigment paints, having a positive reflection co-efficient of 80% at the time of application.

No. 1402 Factory Mill White---Flat

A combination flat undercoat and finish coat for use wherever a flat finish is desired. When used as an undercoat it should be applied only over either a previously painted surface or a new surface that has been properly neutralized and sealed. When used as a finish coat it can be washed as often as desired. Manufactured from a combination of vegetable oils and solid covering pigments, this material offers a very practical and satisfactory flat finish at moderate cost. Under normal drying conditions this material will dry satisfactorily overnight. One gallon covers approximately 400 square feet of surface, one coat. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. Detailed analysis furnished upon request.

No. 1403 Factory Mill White---Egg Shell

This material can either be used as an intermediate coat on new work or as a finish coat wherever an eggshell finish is required. Made from a combination of vegetable oils and covering pigments designed to produce a solid covering, easy working, positive white that will dry overnight to a hard durable eggshell finish that can be washed and scrubbed whenever desired. On new work where three coats are recommended this material is particularly valuable as the intermediate coat to prevent oil absorption and flattening in the finish coat. Being an eggshell product this white will diffuse the maximum percentage of light without glare. One gallon covers approximately 450 square feet of surface, one coat. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. Detailed analysis furnished upon request.

No. 1404 Factory Mill White Gloss

This is a very fine quality medium priced gloss mill white for all types of normal interior exposure. This material has a reflection co-efficient of 80% at the time of application. Under normal conditions it will lose approximately 8% in twelve months due to dust accumulation but will return to full 80% upon washing. Over a period of five years washed twice a year this product will maintain an average co-efficient of 70% which is exceptionally high for this class of finish and illustrates the excellent quality of this economical gloss enamel. Under normal conditions this material will dry satisfactorily overnight. One gallon covers approximately 500 square feet of surface, one coat. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. Detailed analysis furnished upon request.

No. 1405 Factory Fumeproof Gloss

Positive white covering pigments chosen for their known resistance to the discoloration of organic fumes are combined in this product with fossilized gum varnishes of the type least affected by hot steam and the various gases encountered in the cooking of foods. Due to the necessary construction of this product it is not as opaque and consequently lower in coverage than a normal condition mill white. It is intended only for finish coat work to resist discoloration and should always be applied as such over a suitable undercoater. Under normal conditions this material will dry satisfactorily overnight. One gallon covers approximately 400 square feet of surface, one coat. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. Detailed analysis furnished upon request.

ENGINEERING SPECIFICATION (NEW WORK)

Preparation of Surface: Neutralize new plaster, cement, etc., in same manner as previously specified for "Insilite" Whites (Page 59). Prime new metal with Chromatized Metal Primer-Light (Page 75). Seal new wood and cement with No. 1400 Oil First Coater.

1st Coat: No. 1403 Factory Mill White--Eggshell. Apply without reduction, full body as received in the original container for brushing. Reduce with turpentine or mineral spirits to proper consistency for spraying. Allow overnight dry.

2nd Coat: No. 1405 Factory Fumeproof Gloss. Apply without reduction, full body as received in the original container for brushing. Reduce with turpentine or mineral spirits to proper consistency for spraying.

Note: The above specifications apply to all Factory Mill White Materials. The second coat specifications can be changed in accordance with the type of finish desired. No other changes are recommended on new work.

No. 1400 Oil First Coater

As the name implies this is a lightly pigmented oil first coater or sealer for use on new plaster, cement, concrete, brick, stucco or wood surfaces before the application of finishing coats. It is an excellent all purpose sealer suitable for use on all types of wood and masonry surfaces to stop suction and prevent oil absorption in the finishing coats. It has no neutralizing value whatever and can be saponified readily by calcium hydroxide in new masonry. Use it as recommended for excellent sealing and priming coat work. One gallon covers approximately 300 square feet of surface, one coat. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. Detailed analysis furnished upon request.

No. 1416 Superior White Enamel

This product is fully described in its name. A superior white enamel in working qualities, in appearance and in durability. Solid covering, strong hiding, easy working, free flowing, with a brilliant white color and full enamel gloss, this is indeed a superior white enamel. Recommended for all types of interior machinery, equipment and standing trim where conditions are normal and an enamel finish is desired. Can be applied full body without reduction for brush work or reduced with turpentine to the proper consistency for spraying. Dries overnight. One gallon covers approximately 500 square feet of surface, one coat. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon cans. Detailed analysis furnished upon request.

Glidden One Coat Egg Shell Enamels

These materials are one coat interior eggshell enamels made entirely from lithopone with only sufficient tinting color added to secure the various shades. They will dry to touch overnight with a durable, eggshell sheen possessing slightly more gloss than a flat wall paint. They are designed especially for finishing interior ceilings and walls of factory offices, cafeterias and recreation rooms. They have the solid coverage of flat paints but can be washed or scrubbed with practically the same resistance to wear as is usually associated with gloss enamels. These are extremely dense products, possessing excellent coverage, strong hiding power and excellent flow. They are easy to apply either by brush or spray, level out well, do not show laps or brush marks and may be stippled if desired. They are applied full body for finish coat brush work and can be reduced with either turpentine or mineral spirits to the proper consistency for spray application. On new work be sure the surface has been properly neutralized and sealed (see specifications page 59). On two coat work either old or new reduce the first enamel coat with one quart of No. 1400 Oil First Coater to each gallon of enamel. One gallon covers approximately 500 square feet of surface one coat. Average weight fifteen pounds per gallon. Put up in 55 and 30 gallon drums, 5, 1 and $\frac{1}{4}$ gallon cans. Detailed analysis furnished upon request.

No. 1430 Cream White

No. 1435 Neutral Gray

No. 1431 Light Buff

No. 1436 Warm Gray

No. 1432 Clear Buff

No. 1437 Clear Gray

No. 1433 Rich Ivory

No. 1438 Light Green

No. 1434 Light Brown

No. 1439 True Green

Also made in White (No. 1401)

64

GLD31720

No. 1411 Caustic White Enamel

This is a semi-gloss creamy white enamel made with pigments and liquids chosen for their known resistance to both caustic liquids and caustic fumes. It contains a mixing varnish which incorporates in solution a synthetic resinous derivative of petroleum. It is a creamy white in color not as brilliant as the average semi-gloss mill white. This original color is permanent. It will not darken in the presence of caustic fumes and because of its specific resistance to all types of caustic it renders more satisfactory service under abnormal conditions of this type than any other white enamel manufactured by The Glidden Company. Caustic White Enamel is manufactured in ready to brush consistency and can be considered in all respects the same as any ordinary paint except that it must be reduced only with mineral spirits when applied by spray. This material has an almost unlimited field of application both as an interior ceiling and side wall finishing enamel and as a machinery finishing enamel. It is extensively used in the soap industry, the chemical industry, the manufacture of cleaning preparations, the manufacture of gelatin, laundries, dairies and beverage plants. It requires an overnight dry. One gallon covers 450 square feet of surface, one coat. This material weighs fourteen pounds per gallon. Put up in 55 and 30 gallon drums, 5, 1 and $\frac{1}{4}$ gallon cans.

ENGINEERING SPECIFICATION (NEW WORK)

Preparation of the Surface: Neutralize and seal new plaster, cement, wood, etc., in same manner as previously specified for "Insilite" Whites (Page 59). Prime all bare metal with Chromatized Metal Primer—Light (Page 75).

1st Coat: No. 1411 "Insilite" Flat. Apply as specified (Page 59).

2nd Coat: No. 1411 "Caustic" White Enamel. Apply without reduction, full body as received in the original container for brushing. Reduce only with V. M. & P. Naphtha to proper consistency for spraying.

No. 1414 Acid White Enamel

As the name implies this is a special white enamel designed to resist the discoloration produced by various acid fumes, particularly the Calcium Acid Sulphite fumes present in the wood pulp digesting processes of the paper industry, the hydrochloric acid liquor bleaches of the artificial silk industry, the acid dye stuffs used in the dye plants of the textile industry, the chromic acid fumes encountered in metal plating and the acetic acid fumes present in all processes of pickling foods. It is formulated from specially selected pigments having known resistance to acid fume discoloration and is ground in a prepared vehicle that will not darken when exposed to any acid fume condition ranging from dilute acetic or boracic, through sulphuric, nitric, hydrochloric, etc. This product has a somewhat higher gloss than "Insilite" semi-gloss previously described on page 58 and is not quite as white in color. It is more opaque than "Insilite" Fume Proof Gloss and is easier to apply. It is at present being used in a variety of industries such as paper, artificial silk, dye plants, tobacco, metal plating, galvanizing, drugs and cosmetics. It requires overnight to dry. One gallon covers 450 square feet of surface one coat. This material weighs fifteen pounds per gallon.

ENGINEERING SPECIFICATION (NEW WORK)

Preparation of the Surface: Same as specified above for "Caustic" White.

1st Coat: Same as specified above for "Caustic" White.

2nd Coat: No. 1414 Acid White Enamel. Apply without reduction full body as received in the original container for brushing. Reduce with turpentine or mineral spirits to proper consistency for spraying.

No. 1406 Gloss White Sealcoat

In many of the processes employed in the preparation of cereal foods, particularly in the baking of cookies and cakes there are very often deposits of burnt sugar, butter fats and similar ingredients found on the ceiling and side walls of the oven room adjacent to the front and side openings of the oven. It is virtually impossible to entirely remove such deposits so that they will not bleed through and discolor the new finish. Gloss White Sealcoat was originally designed for application over these discolored areas to seal in the fats and prevent bleeding. Its use has since been extended to sealing asphalts, creosote oils, coal tar pitches and all similar types of bleeding stains. It is applied full body either for brush or spray and requires overnight to dry. One coat is sufficient and one gallon will cover approximately 400 square feet of surface. This material weighs fifteen and one-half pounds per gallon. Put up in 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.

No. 1413 Loft Spraycoat White

A very practical and economical one coat flat white interior finish suitable for lofts, warehouses, storage sheds and similar structures. Supplied only in spraying consistency ready for the gun. Requires overnight to dry but seldom necessitates a second coat due to its excellent coverage, good adhesion and strong hiding power. One gallon covers approximately 450 square feet of surface one coat sprayed. Weight thirteen and one-half pounds. Put up in 50 and 30 gallon drums, 5 and 1 gallon cans.

No. 1415 Zone Marking White

This material is manufactured for center line striping work on vitrified brick, cement and asphalt highways. It is also used extensively as a floor marking paint for plant and mill requirements and as a curb paint in service stations. It covers solid in one coat and acts as a sealer to prevent bleeding. Dries hard to use in forty minutes and retains its original whiteness over a longer period of exterior exposure. Supplied in thin consistency for road machine striping. Weight twelve and three-quarter pounds per gallon. One gallon covers approximately 800 lineal feet of five inch stripe one coat. Put up in 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.

No. 1447 White Cellulose Acousticoat

With the recent advent of talking pictures many theatres found it necessary to improve the acoustic properties of their auditoriums. This white acousticoat made from sulphite cellulose in semi-paste form was originated to meet the demand for an acoustic coating that could be applied in varying thicknesses at various points in the theatre. Made in white it can be tinted any desired color and can be reduced with water to any desired consistency. Weight per gallon seventeen pounds. Drying time eight hours. Put up in 30 gallon drums, 5 and 1 gallon cans.

Glidden Wet Wall Whites

A chemical coating produced and applied like ordinary paint, carrying the same covering pigments as are used in ordinary paint and reduced with either Turpentine or Mineral Spirits for spray application. This product having all the characteristics of ordinary paint is nevertheless a chemical enamel that will produce a solid covering opaque, white film having firm adhesion and a solid bond on a wet surface. The undercoat should be used in conjunction with the enamel and should be applied to a clean surface for satisfactory results.



Modern Laundry Interior Maintenance

Six years of development are behind these two products. While they are both revolutionary in character, they are sound, practical products filling a definite need in the maintenance field. They are impervious to moisture and are applied direct to the wet surface necessitating no delay for drying out the room. They require no special reducers and can be applied either by brush or spray like ordinary paint. They have the same tenacity, durability and life applied wet as any other mill white applied dry. They have approximately the same coverage, hiding power and whiteness as any other mill white. They can be applied equally well to either a wet or dry surface.

No. 1412 Wet Wall Transparent Sealer

The liquid vehicle used in Wet Wall White is here incorporated with a treated vegetable oil and reduced to the proper consistency for penetrating and sealing the surface before the finishing materials are applied. This sealing operation is strengthened by the affinity of the sealer applied full body either for brush or spray. One gallon covers approximately 350 square feet of surface one coat. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

No. 1407 Wet Wall White Enamel Undercoat

In this undercoat a greater proportion of the chemical vehicle is used than in the finishing enamel. This undercoat in all cases precedes the enamel and is allowed to set for twelve hours before the enamel is applied. This undercoat is applied full body for brushing and reduced with either turpentine or mineral spirits to the proper consistency for spraying. This material weighs twelve and one-half pounds per gallon. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. One gallon covers approximately 400 square feet of surface one coat.

No. 1408 Wet Wall White Enamel

This material is used as the finish coat over the Wet Wall Transparent Sealer and the Wet Wall Undercoat. It is the chemical finish coat enamel that bonds to the undercoat to provide the solid, semi-gloss, white finish. This material weighs thirteen and one-quarter pounds per gallon.

Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. One gallon covers approximately 450 square feet of surface one coat.

ENGINEERING SPECIFICATION (NEW WORK)

Sealing Coat: No. 1412 Wet Wall Transparent Sealer. Apply without reduction, full body as received in the original container either for brush or spray. Allow to set twelve hours before applying undercoat.

Undercoat: No. 1407 Wet Wall White Undercoat. Apply without reduction, full body as received in the original container for brushing. Reduce with turpentine or mineral spirits to proper consistency for spraying. Allow to set twelve hours before applying enamel.

Finish Coat: No. 1408 Wet Wall White Enamel. Apply without reduction full body as received in the original container for brushing. Reduce with turpentine or mineral spirits to proper consistency for spraying.

Glidden One Coat Case and Tub Enamels

Highly resistant to the action of brine these materials provide a solid covering one coat finish for beverage cases and ice cream tubs that will withstand the rough handling of daily usage. The range of bright colors makes the case readily distinguishable and increases the advertising value of such equipment. All six enamels dry hard overnight with a full paint gloss and cover approximately 500 square feet per gallon. Average weight thirteen pounds. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

No. 1590 Yellow



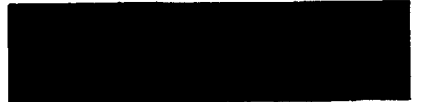
No. 1593 Gray



No. 1591 Orange



No. 1594 Green

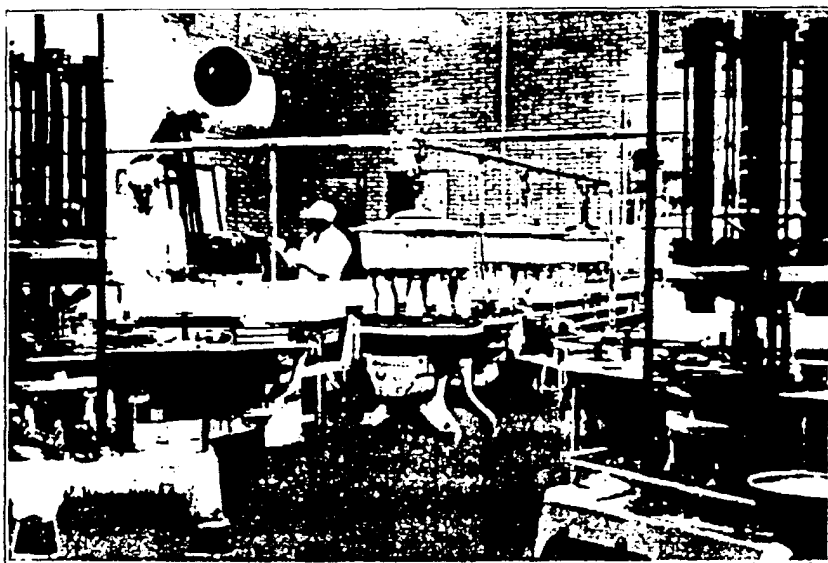


No. 1592 Red

No. 1595 Blue

Glidden Germproof White Enamels

In the fermentation of years various manufacturers have for many years encountered serious difficulties in their attempts to prevent the growth of the yeast spores on the painted walls and ceilings of their fermenter rooms. This "wild yeast" as they term it, has a tendency to collect in corners, on top of ledges and beams, around window sills and above piping where it multiplies and grows very rapidly. To prevent this undesirable growth the Germproof White Enamels and Undercoats were originally developed. They contain in solution an aseptic germicidal salt incorporated chemically with the oxidising oils in such a manner as to exude continuously a protective gas of sufficient strength to maintain a toxic paint film that will prevent the growth of the yeast spore and similar microscopic vegetable organisms. Since their original development their



Dairy and Ice Cream Interior Maintenance

usefulness has been extended to many other fields besides the manufacture of yeast. They are manufactured in a white undercoat, a gloss white enamel and six tints as described in the following paragraphs:

No. 1409 Germproof White Enamel Undercoat

In all its physical characteristics this undercoating material resembles any good quality flat white undercoat. It has the same solid coverage, strong hiding power and general working qualities of an excellent undercoat and can be applied full body for brushing or can be reduced with turpentine or mineral spirits to the proper consistency for spraying. On new work it should only be applied after the surface has been properly neutralized and sealed. One gallon covers approximately 400 square feet of surface one coat and requires overnight to dry. This material weighs fourteen and one-half pounds per gallon. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

No. 1417 Greenhouse Interior White

This material, while not constructed in exactly the same manner as the Germproof White Enamel previously described, rightfully belongs under the same classification as it is manufactured especially to resist the destructive organic bacteria prevalent in practically all green houses and solariums. This material is a full gloss interior white finish coat designed to retain its original whiteness and durability over a long period of time. It will not discolor, is waterproof and dries overnight to an extremely hard, dense, non-absorbent finish. One gallon covers approximately 500 square feet of surface one coat. This material weighs fourteen and three-quarter pounds per gallon. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

No. 1410 Germproof Gloss White Enamel

This is the original gloss enamel exactly as developed first for the yeast industry several years ago. It has the full toxic strength and chemical construction of the original formula combined with a high enamel gloss, brilliant pure white color and durable long wearing film. In working properties it is exactly like any fine quality finishing enamel and has all the desirable features of free flow, good leveling, easy working, does not show laps or brush marks and does not pull under the brush. Apply it full body for brushing or reduce it with turpentine or varnolene for spraying. One gallon covers approximately 600 square feet of surface one coat and requires overnight to dry. This material weighs fourteen and one-half pounds per gallon. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

Glidden Germproof Hospital Enamels

These enamels are exactly like the semi-gloss and gloss white previously described except that they have sufficient color added to obtain the standard tint as shown by the color chips illustrated below. Furnished in both semi-gloss and gloss quality. In ordering care should be taken to specify in addition to the color desired which finish is desired, gloss or semi-gloss.

No. 122 Ivory

No. 125 Cream

No. 123 Light Gray

No. 126 Flesh

No. 124 Light Blue

No. 127 Light Green

Glidden Boiler Setting Sealers

Where it is desirable to seal the exterior of a porous setting to prevent the infiltration of cold air, Glidden Boiler Setting Sealer is recommended. This is a heavy viscous material of semi-paste consistency usually applied by knifing or troweling a heavy coating on the exterior of the setting. The material is very elastic with a good surface dry in eighteen to twenty-four hours after application. To obtain a satisfactory seal, the material should be applied at least one-sixteenth inch thick and the entire surface should be covered solid. Manufactured in two colors, Black (No. 4259) and Gray (No. 4258). This material covers 20 square feet per pound one-sixteenth inch thick. Put up in 300, 100, 50 and 25 pound containers.

No. 4258 Gray Sealer

No. 4259 Black Sealer

No. 4239 Oven and Boiler Front Black

A general purpose pigmented oil and varnish black air drying enamel suitable for application to all types of hot metal surfaces up to 350° F. The pigment content is composed of black covering pigments combined with treated oil and varnish liquids having the necessary durability and heat resistance for this class of work. Manufactured only in Black. One gallon covers approximately 500 square feet of surface, one coat and dries to touch in three hours, hard in seven. Can be applied full body for brushing or reduced with turpentine or mineral spirits for spray application. This material weighs ten pounds per gallon. Put up in 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans. Detailed analysis furnished upon request. For temperatures above 350° F and up to 750°F—Glidden Smoke Stack Black is recommended. See description on page 38. Where aluminum is desirable as a finish No. 1503 Heat Resistant "Metallite" is recommended. This material is described on page 74.

No. 1905 Rustproofing Oil

A great many companies use this product as a temporary preservative for metal. It is made from slow oxidizing oils that penetrate rapidly to all exposed surfaces. A very satisfactory, economical rust preventative easy to apply full body either for brush or spray. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. One gallon covers approximately 700 square feet of surface one coat. Detailed analysis furnished upon request.

Glidden Pipe Identification Colors

The pipe and equipment enamels described and illustrated on the following page are manufactured to comply with the requirements of the Sectional Committee on the Identification of Piping Systems organized June 14, 1922, under the procedure of the American Engineering Standards Committee sponsored jointly by The National Safety Council and The American Society of Mechanical Engineers. The colors supplied are all designed to be sufficiently vivid to provide instantaneous recognition even at night with only the aid of the ordinary watchman's electric flash-light.

Glidden Pipe and Equipment Enamels

Designed to set up dust free in three hours and dry hard in seven hours thus providing a finishing material that can be applied to equipment with no loss of time out of service. This fast dry is obtained through preoxidizing the oils used in these enamels. Each of the enamels in this class is permanent in color and sufficiently elastic for use on all classes of piping and miscellaneous equipment. When dry these materials have a high enamel gloss, a tough durable film and the long life ordinarily associated with finishing enamels requiring two or three times as long to dry. Apply full body for brushing. Reduce with Turpentine or Mineral Spirits for spraying. One gallon covers approximately 500 square feet of surface, one coat.

These enamels are suitable for all types of equipment and piping operating under normal interior plant conditions. The entire classification requirements of pipe colors are included in sufficient variety to insure accurate designation of the most elaborate piping installations. The blue-green and yellow-green for safe products, the light yellow, deep yellow and orange for dangerous materials, the red for fire protection, purple for extra valuable materials and blue for protective materials. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon cans. Detailed analysis furnished upon request.

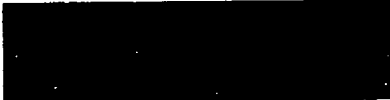
No. 1526 Light Yellow



No. 1525 Palm Green



No. 1527 Cherry Red



No. 1521 Light Blue

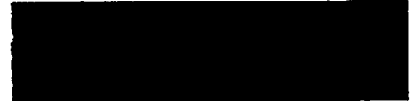


No. 1528 Iron Gray

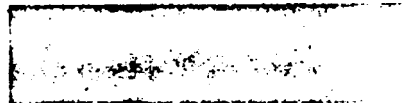


No. 1522 Deep Orange

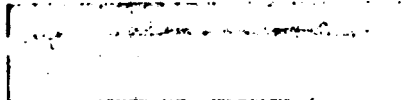
No. 1524 Medium Cream



No. 1529 Signal Blue



No. 1520 Light Tan



No. 1530 Deep Yellow



No. 1523 Light Brown



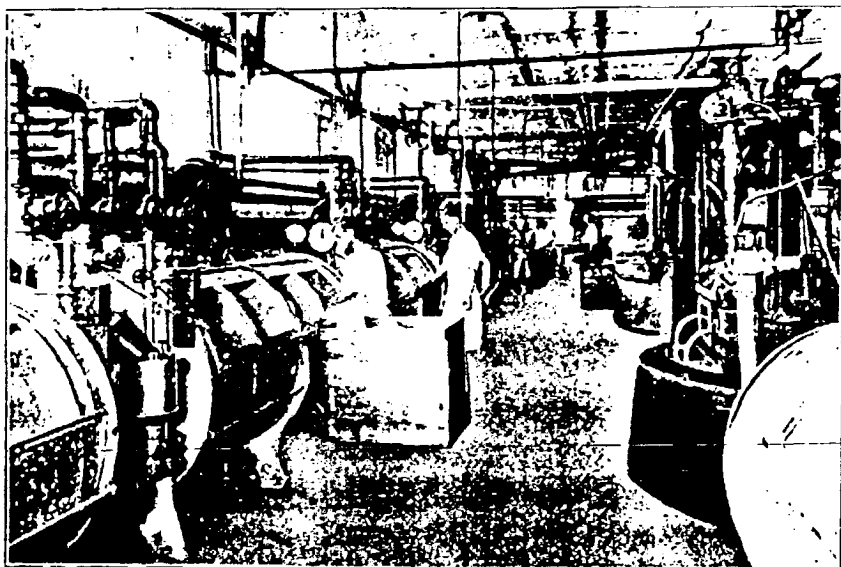
No. 1531 Frog Green

Also made in Aluminum (No. 1532), White (No. 1533) and Purple (No. 1534)

Glidden "Metallite"

This is a ready mixed aluminum enamel so fine in mesh that it is impossible to see the individual flakes of bronze with the naked eye. The liquid vehicle is very dense and floats the bronze in successive layers overlapping the minute flakes upon each other to produce a solid metallic film with a brilliant high gloss silver finish. By manufacturing this product in a ready mixed form it is possible to secure a protective film of the varnish over the top of the aluminum. This characteristic is responsible for the waterproofness, toughness and durability of "Metallite" under conditions where ordinary aluminum paints could not be used at all.

In packing houses it can be used satisfactorily in the presence of fatty acid fumes and is also used extensively as an odorless wall sealer on the interior walls and ceilings of cold storage rooms. In the general food industry it is used extensively to combat the free acid conditions present in the manufacture of mayonnaise, horse-radish, pickles, ketchup and similar condiments made with vinegar.



Interior Laundry Equipment Maintenance

In bakeries it is used on egg beating and mixing machines, as an interior finish for proof boxes and as a sealer to prevent bleeding of accumulated grease around and above the ovens. In dairies it is used to combat the free lactic acid on butter churns, milk bottling machines, ice cream freezers, pasteurizers, milk and ice cream cans, tubs and tanks.

"Metallite" is an unusual product. It withstands excessive water, dilute acid, dilute caustic, heat up to 300° Fahrenheit, fats, oils, alcoholic extracts and various chemicals such as phosphates, sulphates, chlorates, detergents and peroxide, one or more of which are present in many industries.

No. 1500 Metallite

A ready mixed aluminum enamel containing one and one-half pounds of "Metallite" bronze suspended in a combination synthetic gum and esterized vegetable oil mixing varnish. This product is applied without reduction full body as received in the original container either for brush or spray. One gallon covers approximately 600 square feet of surface, one coat and dries hard in seven hours. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.

No. 1503 Metallite

(H. R.)

As the name indicates this is the heat resisting "Metallite." Recommended for hot surfaces up to 932° F. Apply full body either for brush or spray. One gallon covers approximately 650 square feet of surface one coat and dries to touch in three hours. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon double compartment cans.

No. 1506 Metallite

(Exterior)

This material is composed of the same extremely fine mesh "Metallite" bronze and a very pale combination oil and varnish vehicle designed especially for exterior use with this product. It is used extensively on the tops of trucks, oil and gasoline dispensing pumps, highway signs and route markers, electrical transformers, towers, exterior tanks, gas meters and all types of exterior structural steel and builders iron. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon double compartment cans.

No. 1536 Metallite

(Gold)

This material consists of three pounds commercial gold bronze to each gallon of the regular "Metallite" liquid. It is recommended and extensively used as a gilding enamel in theatre decoration. Put up in 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon double compartment cans.



No. 1537 Metallite

(Brass)

Same as above except commercial brass bronze is used instead of gold bronze. Put up in 1, $\frac{1}{2}$, $\frac{1}{4}$, and $\frac{1}{8}$ gallon double compartment cans.



No. 1538 Metallite

(Copper)

Same as above except commercial copper bronze is used instead of gold bronze. Put up in 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon double compartment cans.



Glidden Chromatized Metal Primers

These primers contain the same chromium compounds used in Glidden Chromatized Exterior Metal Paints (See Page 29). The vehicle in which these pigments are incorporated is a mixture of treated oils, gums and volatile constituents having a definite affinity for the pigment content. This affinity is essential to procure the degree of cohesion that will unite the various pigments into one uniform dense mass. Applied full body for brushing and reduced with Turpentine or Mineral Spirits for spraying. Manufactured in two colors as illustrated below. One gallon covers approximately 600 square feet of surface, one coat and will dry hard overnight to a tough light gray or dark red eggshell finish dependent upon which priming material is used. The light primer is ideal under white or light finish coats and the dark is suitable for use under the darker colors and black. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans. Detailed analysis furnished upon request.



No. 1501 Light

No. 1502 Dark

No. 1565 "Congo" Black

While this product is already well known in the dairy industry, the soap industry and throughout the pulp and paper mills, it is such an excellent product and is used on such a wide variety of surfaces that it deserves to be included as an item of general maintenance. Originally this material was developed for the pulp and paper industry as a waterproof, elastic, acid and alkali resistant equipment enamel for use on all types of metal equipment operating at temperatures under 350° F. It has served in that field now for six years under the unusually severe conditions that accompany the calcium acid sulphite production of long fibre stock and the caustic soda production of kraft stock. Because of its absolute waterproof film it has become very widely used in the dairy industry, the ice and refrigeration field, the packing industry, and in the manufacture of starch. The product is essentially composed of stearine pitch, kettle treated linseed oil and "synthetic" spar varnish to which has been added sufficient carbon black to give solid one coat coverage. It is intended as a hard drying finishing black enamel for all types of metal equipment such as hand rails, stair risers, step treads, motors, elevators, fans, pipes and pipe supports, platforms, cat walks, ladders, circular stairways, tanks, tie rods, boilers, conveyors, digesters, filter presses, soap machines and similar equipment where a hard, tough, gloss black finish is desired. One gallon covers approximately 600 square feet of surface, one coat and will dry in six hours. This material weighs nine pounds per gallon and is applied full body either for brush or spray. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.

No. 1910 Gliddenspar Varnish

Reference was just made on the preceeding page to The Glidden Company's synthetic Spar Varnish as it is used in conjunction with other ingredients to produce Congo Black. Gliddenspar is a name coined by The Glidden Company to describe a synthetic gum condensate of crude coal tar solvent naphtha, phenol and sulphuric acid. This gum is one of the most important recent achievements of our development laboratories and is an exclusive Glidden product. It is practically insoluble in both acid and caustic, blends perfectly with all types of oxidizing oils, is more than three times as tough as the most durable natural varnish gums and cannot be dissolved by petroleum solvents. The spar varnish referred to in this paragraph will outwear any natural gum varnish we manufacture either for exterior or interior use. One gallon covers approximately 700 square feet of surface one coat and dries overnight. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.

No. 1548 Gray Concrete Patching Compound

This is a semi-paste material intended for the filling of small cracks in concrete preparatory to painting. It is the color of cement and makes a very attractive, neat repair. The pigment content is designed to provide a slight expansion upon drying which acts as an anchor holding the patch firmly in place. Also extensively used as an exterior crack filler for repairing cement and stucco surfaces before painting. Requires overnight to dry. Put up in 100, 50 and 10 pound containers.

Glidden Concrete Floor Dressing

A paint especially prepared for use upon concrete floors. Dries with a hard, tough, wear-resisting film that is decorative, waterproof, oilproof and durable. Always apply two coats. Reduce first coat with one pint turpentine to each gallon of dressing. Apply second coat without reduction. Allow twenty-four hour dry between coats. One gallon covers approximately 450 square feet of surface, one coat. Put up in 55 and 30 gallon drums, 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.



No. 1541 Gray



No. 1543 Lead



No. 1542 Drab



No. 1544 Tan

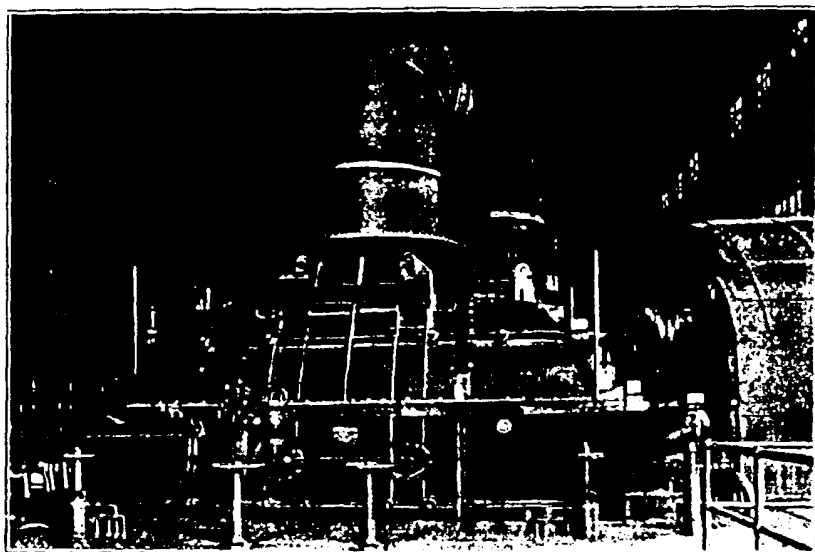


No. 1545 Red

Also made in White (No. 1540) and Transparent (No. 1546)

Glidden Power Machinery Enamels

The liquid vehicle in which these machinery enamels are ground contains "Gliddenspar" synthetic condensate gum in combination with such treated oils, driers and volatile constituents as are essential to produce the excellent qualities characteristic of these materials. These enamels are full gloss machinery finishes designed for either brush or spray application on all types of power machinery operating under all kinds of conditions and at all ranges of temperature. The "Gliddenspar" gum contained in these enamels give them positive resistance to all types of acid and caustic solutions, hot oils, petroleum distillates, water, heat and external abrasives. The pigments used include The Glidden Company's Cadmium and Selenium reds which are absolutely permanent in every shade and will neither darken nor fade when exposed to strong sunlight or subjected to high temperatures. Each color is carefully formulated from non-fugitive pigments and is designed to hold its shade exactly as when applied. Every enamel illustrated on the following page is a



Power Plant Machinery Maintenance

quality product representative of the finest machinery finishes that it is possible to manufacture for the maintenance of power equipment. These enamels are supplied ready for application without reduction full body as received in the original container for brushing or can be reduced slightly with pure spirits of turpentine for spray application. They will be found to cover solid in one coat, with perfect flowing and leveling qualities that make them easy to apply and insure excellent results without unsightly streaks or brush marks. They dry to touch in two hours, hard in seven and will not bleach out or water spot. One gallon covers approximately 550 square feet of surface one coat and has an average weight of twelve pounds. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon cans.

Glidden Power Machinery Enamels



No. 1517 Vitro Green



No. 1507 Bedford Gray



No. 1508 Gunmetal Gray



No. 1509 Royal Blue



No. 1510 Morgan Green



No. 1511 Vermillion Red



No. 1512 Bergundy Red



No. 1514 Hackle Cream



No. 1515 Brewster Green



No. 1516 Bisque Brown

Also made in White (No. 1518) and Black (No. 1513)

No. 1907 Interior Aluminum Mixing Varnish

A very pale interior mixing varnish, containing treated oils and gums that will produce a high gloss varnish finish without impeding the proper leafing of the Aluminum flakes. Dries to touch in eight hours presenting a high gloss, brilliant, durable aluminum finish. Solid covering in one coat either brushing or spraying. Average life of film three years. Letters of approval for interior use furnished upon request. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

DIRECTIONS

Mix two pounds No. 140 Mesh Standard Varnish Aluminum Bronze Powder to each gallon of liquid for brushing. One and one-half pounds to each gallon for spraying. Place the weighed dry powder in a suitable container and slowly pour the measured volume of vehicle over it, stir continually with a flat wooden paddle during this mixing operation. Mix only sufficient material for the day's work and stir frequently while using.

No. 1519 Insulated Pipe Sealer

Approximately sixty percent of all insulated piping installed each year is painted to correspond with the color scheme of the plant and to preserve and protect the insulation. On all such work a pipe sealer should be used before painting to prevent the unnecessary absorption of paint into the porous insulation. No. 1519 Insulated Pipe Sealer is a lightly pigmented varnish sealer prepared especially for this work. It can be applied full body either for brush or spray and will dry satisfactorily overnight to take the finishing coat of paint. One gallon covers approximately 300 sq. ft. of surface, one coat. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. Detailed analysis furnished upon request.

No. 1539 High Visibility Yellow

This is a permanent Cadmium Yellow designed originally for flying fields where it has become very widely used because of its high visibility under all weather conditions. It is also used on industrial plants for airway roof markers, watchmans signal and alarm boxes and as a high visibility zone marking paint. It is applied full body for brushing or reduced with either turpentine or mineral spirits to the proper consistency for spraying. One gallon covers approximately 450 sq. ft. of surface one coat and dries overnight. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon cans.

No. 1535 Switch Board Satin Black

As the name implies this is a solid covering jet black finishing enamel that dries in six hours to a satin finish suitable for application on switch boards, switch and fuse boxes and similar surfaces where a semi-gloss black is desired. Manufactured in ready to brush consistency to be applied full body for brushing or reduced slightly with either turpentine or mineral spirits for spraying. One gallon covers approximately 500 square feet of surface, one coat. Because of its fast dry this material is also used extensively on motion picture machines, projectors, department store wall cabinets, electric conduit, switch plates and as a finish for elevator doors and controls. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon cans. Detailed analysis furnished upon request.

No. 1549 High Heat Copper Cement

In sugar refineries and similar industries copper pans, stills, crystallizers and syrup cookers are used in the processes of refinement. These copper units are made up of segments bolted together and these segments require caulking to prevent leaks. The temperatures encountered are very high and ordinary caulking preparations are of no practical value whatever. To adequately meet these requirements No. 1549 High Heat Copper Cement has been developed. It is a red lead and synthetic gum material that is elastic, highly resistant to heat and the only product of its kind on the market. It is mixed on the job to the desired consistency and is applied like any ordinary caulking paste. Put up in any quantity desired. Not carried in stock made up on order only. Maximum time required to make shipment three days. Detailed analysis furnished upon request.

No. 1549 Copper Cement

Glidden Handling Machinery Enamels

These materials are full gloss finishing enamels which dry hard overnight with an extremely tough film. They are a combination of covering pigments and durable oils designed to give solid coverage in one coat with long life and permanent color. They are specially processed to withstand hot oil, petroleum distillates and dilute chemicals. They flow and level out well, are easy to apply and will not bleach out or water spot. They should be applied full body for brushing and reduced with Turpentine or mineral spirits for spraying. They are produced in both eggshell and gloss lustre, both types of material having the same code numbers and names. In ordering be sure to specify which sheen is desired by affixing the word Eggshell or Gloss after the name of the color desired. Colors illustrated are in the Gloss quality. One gallon covers approximately 550 square feet of surface one coat. Average weight twelve pounds per gallon. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon cans. Detailed analysis furnished upon request.



No. 1552 Old Ivory



No. 1553 India Buff



No. 1554 Pearl Gray



No. 1555 French Gray



No. 1556 Blue Gray



No. 1557 Slate Gray



No. 1558 Bright Red



No. 1559 Medium Brown



No. 1560 Rich Blue



No. 1561 Tile Green



No. 1562 Blue Green



No. 1563 Dark Green

Also made in White (No. 1550) and Black (No. 1551)

Glidden Handling Machinery Lacquers

An increasing number of plant engineers, particularly in the bakery, candy and soap industries, are adopting nitrocellulose lacquer finishes on handling machinery. They are prompted to do this either to speed up their finishing schedule or to obtain a finish having greater resistance to surface abrasives. To meet this demand The Glidden Company supply a complete line of brushing lacquer enamels manufactured in the same shades as illustrated on the opposite page under Handling Machinery Enamels. These brushing lacquers can be applied either by brush or spray and are available in the following colors: Gloss White (No. 1570), Gloss Black (No. 1571), Old Ivory (No. 1572), India Buff (No. 1573), Pearl Gray (No. 1574), French Gray (No. 1575), Blue Gray (No. 1576), Slate Gray (No. 1577), Bright Red (No. 1578), Medium Brown (No. 1579), Rich Blue (No. 1580), Tile Green (No. 1581), Blue Green (No. 1582) and Dark Green (No. 1583).

No. 1568 Machinery Lacquer Undercoat

This is a white sealing undercoat for use under nitrocellulose brushing lacquers to prevent the powerful lacquer solvents from attacking old paint materials already on the surface. It is supplied ready to apply full body for brushing or can be reduced with turpentine or mineral spirits for spray application. One gallon covers approximately 400 square feet, one coat and requires two hours dry before lacquer is applied. This material weighs twelve pounds per gallon. Put up in 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.

No. 1569 Machinery Lacquer Reducer

This is a clear reducing solvent for use in thinning nitrocellulose brushing lacquers to the proper brushing or spraying consistency. It is also used for cleaning brushes and spray guns that are being used in nitrocellulose lacquer, both before and after use. Put up in 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.

No. 1914 Liquid Metal Polish

Made on a scientific formula that contains every ingredient necessary to produce a lasting-polish on all metal. It dissolves grease, removes dirty effects of oxidation and corrosion and at the same time produces a lasting polish of high brilliancy. It does this work with only a small amount of manual labor and will neither injure the surface of the metal nor the hands of the user. Contains no acids destructive to metal, will not scratch or mar the finest metal surface and does not produce a temporary polished surface that will readily oxidize. Recommended for polishing brass rails, name plates, grills, brass trimmings, theatre bulletin frames, apartment door hardware, brass and copper flashing, nickel and chromium plated hotel and restaurant fixtures, store fronts, soda fountains and all similar polished and burnished metal surfaces. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon cans.

No. 156 Clear Brass Lacquer

A very pale transparent nitrocellulose brushing lacquer for use in protecting and preserving all high polished metal surfaces. Can be applied full body either for brush or spray direct upon the clean polished surface of the metal. Dries in thirty minutes and will withstand months of exposure either exterior or interior. Saves hours of labor, beautifies and preserves the finish. Absolutely harmless, can be used on the finest of metals. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon cans.

Glidden Transparent Varnish Stains

A combination of staining color and finishing varnish designed to color and varnish in one operation. Particularly adaptable for refinishing stained or varnished interior woodwork, bath room fixtures and cottage furniture. Dries to touch in three hours, hard overnight. Supplied in ready to brush consistency which may require a slight reduction with turpentine for spray application. Manufactured in four colors and clear. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon cans.



No. 1614 Light Oak



No. 1616 Dark Oak



No. 1615 Mahogany



No. 1617 Walnut

Also made in Clear (No. 1618)

Glidden Transparent Lacquer Stains

Many former users of varnish stains are now using lacquer because it dries more rapidly and resists wear for a longer period of time. This is particularly true of theatre seats and retail store fixtures. To meet this demand The Glidden Company have provided transparent lacquer stains exactly like the Transparent Varnish Stains illustrated on this page. These lacquer stains are in brushing quality and can be applied full body either for brush or spray work. They cover approximately 500 square feet per gallon and dry in one hour. Available in Light Oak (No. 1641), Mahogany (No. 1642), Dark Oak (No. 1643), Walnut (No. 1644) and Clear (No. 1640). Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon cans.

Glidden Mill Village Floor Paints

These materials are particularly designed as a protective and decorative coating for wood surfaces which are subjected to hard usage and severe conditions. These materials dry firm and hard overnight and provide a paint film which is sufficiently elastic to prevent marring, scratching or heel printing. Supplied in ready to brush consistency which can be reduced with turpentine or mineral spirits for spray application. One gallon covers approximately 500 square feet of surface one coat. Put up in 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans. Detailed analysis furnished upon request.



No. 1620 Drab



No. 1623 Light Gray



No. 1621 Tan



No. 1624 Dark Gray



No. 1622 Brown



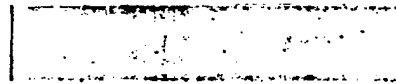
No. 1625 Terra Cotta

Glidden Mill Village Interior Trim Paint

A good quality prepared paint made especially for household use. It is easy to apply, dries quickly and may be used either on exterior or interior surfaces as desired. An excellent paint for finishing interior woodwork, kitchen cabinets, cupboards, kitchen furniture and standing trim. Made of superior quality raw materials throughout. It works easily, dries thoroughly in twelve to twenty-four hours, maintains a good gloss, wears well and will stand repeated washings and scrubbing without endangering the life of the product or damaging the beauty of the film. An economical and dependable product for all mill village requirements. One gallon covers approximately 580 square feet of surface one coat and is ready to apply full body for brushing or can be reduced slightly with either turpentine or mineral spirits for spraying. Average weight fourteen and one-half pounds per gallon. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.



No. 1631 Light Gray



No. 1636 Cream



No. 1632 Light Buff



No. 1637 Light Green



No. 1633 Light Blue



No. 1638 Tile Brown



No. 1634 Warm Gray



No. 1639 Olive Green

Also made in Flat White (No. 1630) and Gloss White (No. 1635)

No. 1626 Mill Village Floor Varnish

For finishing natural, painted or grained floors. It is light in color and combines hardness with quick drying properties but does not sacrifice the elasticity so essential to a floor finish. It is absolutely waterproof and withstands the hardest usage to which floors are subjected. It does not mar or scratch and will set up dust free in two hours and dry hard in twelve. One gallon covers approximately 700 square feet of surface one coat and comes ready to apply full body either for brush or spray. Put up in 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans.

No. 1627 Sanitary Wood Floor Dressing

This is a hard drying penetrating transparent oil dressing which will completely waterproof, properly seal and render uniform the surface of any wood floor. Two coats are required allowing overnight dry between applications. One gallon covers approximately 300 square feet of surface, one coat and is applied full body either for brush or spray. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

Glidden Inside Flat Wall Paints

A sanitary oil paint product containing no poisonous materials. This material does now show brush marks or laps and can be applied quickly and easily by either brush or spray. Due to the construction of the product and the high percentage of pigment best results are obtained by applying full flowing coats rather than attempting to brush out thin coats as usually recommended for ordinary paints. On new work three coats are recommended. The first coat to be No. 1619 Flat Wall Mixing Size (See opposite page). The second coat to be Glidden Inside Flat Wall Paint reduced with one quart of No. 1619 Mixing Size to each gallon of Flat Wall. The third coat to be Glidden Inside Flat Wall Paint full body for brushing or reduced with turpentine for spraying. Allow overnight dry between coats. Finish coats may be stippled if desired. Manufactured in white and twelve colors as illustrated. One gallon cover approximately 400 square feet of surface one coat. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

No. 1601 Ivory

No. 1602 Light Gray

No. 1603 Cream

No. 1604 Light Blue

No. 1605 Buff

No. 1606 Light Green

No. 1607 Pearl Gray

No. 1608 Tan

No. 1609 Orchid

No. 1610 Medium Green

No. 1611 Rose

No. 1612 Medium Blue

Also made in White (No. 1613)

No. 1600 Mill Village First Coater

This is a lightly pigmented oil and varnish material designed for use as a first coat primer on new work. It has unusually fine penetration and filling properties that make it a dependable and economical product that is easy to apply full body either for brush or spray. One gallon covers approximately 300 square feet of surface one coat and requires overnight to dry. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

No. 1619 Flat Wall Mixing Size

This is a sealer for interior walls. Its function is to seal the pores or voids in plaster and prevent the sinking in and flattening of the finishing coats. Used full body as it comes from the package direct on the bare wall or can be mixed half and half with Flat Wall Finish. This product is not a neutralizing agent and cannot be used successfully on a green or hot wall. It should be applied only as a sealer after the surface has been carefully neutralized with Zinc Sulphate wash. Supplied ready for application full body either for brush or spray work. One gallon covers approximately 350 square feet of surface, one coat and requires overnight to dry. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

Ad-el-ite Hygienic Kalsomine

A sanitary, hygienic, hot or cold water calcimine containing an odorless disinfectant which effectively destroys all infectious germs. Supplied in a wide variety of soft, restful tints which are artistic in effect with the lasting and durable qualities of a well established, recognized, quality wall finish. In mixing use two quarts of water to each five pounds of calcimine. Use boiling water if mixing hot, use cold water if mixing cold. Put up in 600, 300, 100 and 5 pound packages. Supplied in the following colors: White, Cream, Ivory, Deep Cream, Yellow, Light Tan, Buff, Pink, Light Gray, Silver Gray, Light Blue, Blue, Holland Blue, Lavender, Delicate Green, Pea Green, Autumn Brown, Deep Tan and Soft Brown. In ordering be sure to specify whether hot or cold water quality is desired.

Ad-el-ite Hygienic Kalsize

This material is especially prepared as a sizing coat. It soaks into the surface and seals it perfectly for the subsequent coats of calcimine. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

No. 320 Semi-Paste Flat Wall White

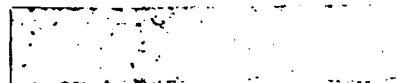
One gallon of this semi-paste flat white mixed with one gallon of No. 1619 Flat Wall Mixing Mixing size makes two gallons of flat wall white ready for use. A very satisfactory, economical, washable interior wall finish which can be tinted with colors in oil to any desired shade. One gallon of this semi-paste material will cover approximately 800 square feet of surface when properly reduced. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

No. 607 Quick Paint and Varnish Cleaner

An ideal cleaner for all painted, enameled, varnished or lacquered surfaces. Cleans paint, marble, tile, terraza, linoleum, etc. No dripping, no splashing, no streaking, saves eighty percent of the labor. Use it wherever you have previously used soap and water, scouring powders or other cleaners. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon cans.

Glidden Service Station Pump Enamels

The wonderful qualities of "Gliddenspar" gum, previously referred to in conjunction with "Gliddenspar" varnish, power machinery enamels, "Congo Black" and various other places through this book, are again advantageously incorporated in this beautiful line of service station pump enamels. "Gliddenspar" is a name coined to describe a synthetic condensate of solvent naphtha, phenol and sulphuric acid. This gum is undoubtedly one of the most extraordinary materials ever produced by our development laboratories and the full value of all its unique properties are clearly demonstrated in these finishes for gasoline and oil dispensing equipment. Glidden Service Station Pump Enamels are a combination of "Gliddenspar" and the necessary pigments required to give the standard shade. They cover solid in one coat. They dry hard in four hours. They adhere equally well to either bare, painted or lacquered surfaces. They maintain a higher gloss for a longer period of time than any lacquer, oil or varnish enamel. They flow and level perfectly, do not bleach or water spot, and are acid and alkali proof. They can be applied by anyone, require no special reducers, are waterproof, oilproof, gasproof and permanent in shade. The six standard colors illustrated are some of the many nationally known companies using these enamels on service station equipment. Convince yourself on your own pumps by ordering sufficient material for an adequate test.



Atlantic Cream



Pennzoil Yellow



Sohlo Red



Beacon Green



Enarco Purple



Sunoco Blue

Wagon and Truck Finishing Schedules

In a small book of this character it is impossible to obtain sufficient space in which to adequately describe the many truck finishing materials, or explain the different finishing schedules that are in use by the host of truck operators and owners who have standardized on Glidden finishing materials for their work. Any Glidden salesman will be glad to assist you in determining the right schedule for the class of equipment and the quality of the finish you desire, or a letter addressed to the Maintenance Engineering Department at Cleveland will bring you full information promptly. The Glidden Company manufacture all the materials required for any of the five standard systems of truck finishing and can supply complete finishing schedules ranging in time from two to eleven days and in elaboration from three to seventeen coat work. Complete systems, primers, surfacers, putties, glazes, sealers, colorcoats, rubbing coats, mist-coats, first coats, finish coats, color varnishes, rubbing varnishes, finishing varnishes and japan colors are available for this work.

Commercial and Mercantile Interior Decoration

This division of interior maintenance, composed of the Offices, Banks, Stores, Shops, Hotels, Apartments, Churches, Hospitals, Theatres, Auditoriums and Public Buildings which form a part of all large metropolitan centers, is further advanced in the expression of good taste in interior decoration than any other division of the general maintenance field. Here, the achievement of beauty is placed above almost every other consideration and in the decoration of this character of building marble, tile, wrought iron, burnished metal, fine woods, silks, tapestries and many other products are used in conjunction with the finishing materials to obtain the desired effect. It is particular work and it requires excellent products and experienced workmen to make it successful.



Department Store Interior Maintenance

The steady increase in the demand for Glidden products in this field of commercial and mercantile decoration is an excellent testimonial of their quality and serviceability and while many of them are briefly described on the following pages, in several instances lack of space has caused the elimination of all but the most important products. For example you will find only a brief description of Glidden Glazecoat, a product used extensively in the decoration of theatres. This product alone produces more than eighty different finishes every one of which has a distinction and beauty differing from any of the others. All of these finishes are illustrated on large sixteen by twenty-four inch color panels which will gladly be sent to you upon request. Under the name Glidden on the cover of this book are printed the three words "Everywhere on Everything." This slogan truly describes the scope of activity and breadth of service of The Glidden Company. No matter what your special requirements may be, Glidden can supply suitable materials for the work.

RIPOLIN

Ripolin, the original Holland enamel paint was invented more than thirty years ago by a noted paint chemist, Dr. Riep of Amsterdam, Holland. It has had the distinction ever since of being the best known, most favored enamel in the world. The secret processes by which Ripolin is made have produced the world's longest wearing, most beautiful enamel. Ripolin has often been imitated, but has never been equaled. For exterior use, for interior use, for severe conditions, for the finest decoration. Ripolin is superior to all other enamels because of its opacity or great hiding qualities, its elasticity and its perfectly non-porous film. It is noted for its great spreading capacity and the ease with which it works.

No. 53 Ivory



No. 47 Light Gray



No. 18 Light Blue

No. 2 Cream



No. 65 Pink



No. 10 Pearl Gray



No. 44 Sea Green



Every Package Sealed

Ripolin is the standard enamel of many highest grade painters and decorators. For the convenience of all users, a specification book giving specifications for all sorts of surfaces has been prepared and will be supplied upon request. Ripolin is put up in all sizes from gallons to quarter pints and is carried in stock in this country in Flat, Semi-Gloss and Gloss White, Gloss Black and the seven tints illustrated.

More important is the durability of Ripolin film. Many buildings painted ten, fifteen or even more years ago are still in first class condition. A Ripolin painted surface can be washed repeatedly.

The distinctive sealed cans with the "Three Men" label, are a guarantee that the purchaser is obtaining genuine Ripolin. Ripolin has been specified by architects the world over for many years.



The Mark of Genuine Ripolin

RIPOL STIPPLE

Like the name Sterling on silver, Ripol Stipple is the finest quality interior wall finish available for all types of unusual and distinctive panelled and plain effects. It is the modern standard of comparison for excellence and good taste. For more than thirty years it has kept step with Ripolin in the building of a world wide reputation and it stands today without a counterpart in the field of interior decoration. Regardless of the richness or delicacy of the work under consideration, you can have positive assurance that Ripol Stipple will produce the most beautiful finish that can possibly be obtained.



Office Building Interior Maintenance.

For the convenience of all users a complete specification book has been prepared giving the correct specifications for all styles of plain and enriched overall and panelled effects. It will gladly be supplied to anyone upon request. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

Ripolin Gloss Thinnings

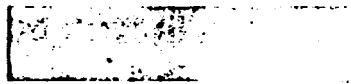
A clear thinning liquid made from the Ripolin oils to be used with Gloss Ripolin only. Ripolin practically never needs to be thinned except when applied by spray, but if it is found necessary to thin, Ripolin Gloss Thinnings should be used as they will not lower the lustre of the gloss enamel finish. Put up in 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon cans.

Ripolin Undercoat

An undercoat worthy of Ripolin Enamel having unusual filling and leveling properties. It is made specifically for use with Ripolin and bonds so well with it that most perfect results are possible. Manufactured only in white which can be tinted to any desired shade or can be mixed with Ripolin enamel tints in accordance with specifications. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{3}{8}$ gallon cans.

Glidden Four Hour Satin Wall Enamels

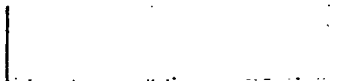
No. 20 Cream White



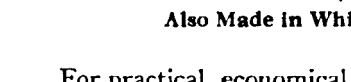
No. 21 Light Buff



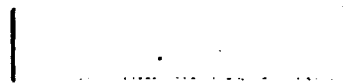
No. 22 Clear Buff



No. 23 Rich Ivory



No. 24 Neutral Gray



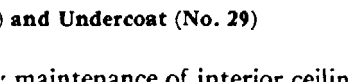
No. 25 Warm Gray



No. 26 Clear Gray



No. 27 Light Green



Also Made in White (No. 28) and Undercoat (No. 29)

For practical, economical, everyday maintenance of interior ceiling and sidewall surfaces in Apartments, Schools, Stores, Offices and small Factories, these enamels are the most satisfactory and pleasing finishes that can be obtained. They are designed to provide solid coverage, to flow and level evenly without laps or brush marks and dry hard in four to six hours with a semi-gloss or satin finish that is richer in tone, more durable and easier to clean than the ordinary flat wall paints commonly used for this class of work. One gallon covers approximately 450 square feet of average surface one coat. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

ENGINEERING SPECIFICATION (NEW WORK)

Preparation of Surface: The surface to be painted shall be clean, dry and free from all dust, dirt and other foreign matter. New plaster walls shall be neutralized with a liberal wash coat of a solution consisting of three pounds Sulphate of Zinc dissolved in one gallon of water. Old plaster walls shall have all large cracks, breaks and nail holes properly filled with Plaster of Paris which has been mixed with two parts of water and one part of vinegar or dilute acetic acid.

1st or Priming Coat: On either plaster, wall board, wood or cloth the first coat shall be No. 29 Satin Wall Enamel Undercoat. Apply this sealing coat full body for either brush or spray. Allow ample time for thorough drying.

2nd or Finishing Coat: Glidden Satin Wall Enamel, (Insert code number and name of color selected). Apply without reduction, full body as received in the original container for brushing. Reduce with turpentine or mineral spirits for spraying.

Glidden Architectural Wall Lacquers

Since many building owners and managers prefer the harder, more resistant finish of nitrocellulose lacquer in hallways, stairways, corridors, lavatories, washrooms and similar places subjected to unusual treatment and abuse, all of the colors illustrated on the preceding page have been included in this line of Architectural Wall Lacquers designed for either brush or spray application. These materials stay open for a much longer period of time than ordinary lacquer enamels and can be applied either by brush or spray with beautiful results. They dry hard in two hours, level and flow out smoothly, cover solid in two coats and stand up well under the most difficult conditions and abusive treatment. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans. Available in Cream White (No. 70), Light Buff (No. 71), Clear Buff (No. 72), Rich Ivory (No. 73), Neutral Gray (No. 74), Warm Gray (No. 75), Clear Gray (No. 76), Light Green (No. 77) and White (No. 78).

Paste and Liquid Wood Fillers

No. 601 Paste Wood Filler is for use on all open grained woods. It does not shrink, crack or become porous. Rub across the grain with cotton rags or burlap and allow twenty-four hours for drying before applying varnish. Made in natural, light, dark and golden oak, mahogany and walnut. Put up in 25, 12½ and 5 pound pails.

No. 633 Liquid Wood Filler contains a transparent mineral pigment combined with hard gum varnish. It is used in place of shellac to fill and seal up the pores of the wood and provides an excellent foundation for the finishing coats of varnish. Put up in 5, 1, ½ and ¼ gallon cans.

Glidden Apartment Floor Enamels

Solid covering, quick drying, full gloss enamels suitable for either wood or concrete floors. Extremely tough, durable and easy to apply. Recommended for all types of floor painting. Coverage 450 square feet per gallon, one coat. Complete instructions for application on label. Put up in 5, 1, ½ and ¼ gallon cans. Dry to use in four hours.



No. 432 Drab



No. 436 Buff



No. 433 Gray



No. 437 Brown



No. 435 Green



No. 434 Red

Glidden Apartment Floor Lacquers

Solid covering gloss brushing floor lacquers. Coverage 400 square feet per gallon, one coat. Drying time one hour. Put up in 5, 1, ½ and ¼ gallon cans. Manufactured in Drab (No. 462), Gray (No. 463), Red (No. 464), Green (No. 465), Buff (No. 466) and Brown (No. 467). Same colors as illustrated above for Apartment Floor Enamels.

Glidden Gloss Interior Trim Enamels

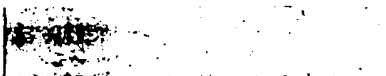
Quick drying, high gloss, durable enamels in permanent colors for interior decoration of kitchen cabinets, woodwork and furniture. Dry to touch in three hours, hard overnight, presenting a solid covering, smooth, tough film with a full varnish gloss. Supplied in ready to brush consistency which may be reduced with turpentine for spray application. One gallon covers approximately 500 square feet of surface, one coat. Put up in 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans. Detailed analysis furnished upon request.



No. 622 Rose Pink



No. 637 Orchid



No. 634 Ivory



No. 629 Light Blue



No. 635 French Gray

Also Made In Flat White (No. 640), Gloss White (No. 641)



No. 623 Lettuce Green



No. 628 Pearl Gray



No. 625 Tile Blue



No. 636 Buff



No. 631 Jade Green

Glidden Interior Trim Lacquers

Gloss brushing lacquer enamels manufactured in White and the ten colors illustrated above under Gloss Interior Trim Enamels. Can be applied either by brush or spray. Coverage 400 square feet per gallon one coat. Dry in thirty minutes and cover solid in two coats. Put up in 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon cans. Available in Rose Pink (No. 652), Lettuce Green (No. 653), Tile Blue (No. 655), Pearl Gray (No. 658), Light Blue (No. 659), Jade Green (No. 661), Ivory (No. 664), French Gray (No. 665), Buff (No. 666), Orchid (No. 667), Gloss Black (No. 669) and Gloss White (No. 671).

No. 1737 Glazecoat

This glazing liquid always allows plenty of time to work the texture before setting up and if desired can be stippled or textured immediately after it is brushed on without sagging or flowing together. It dries to a hard, dull uniform finish and is waterproof, washable and retains its original durability over a long period of time. Apply this glazing liquid full body for brushing or spray. Use it either alone or in combination with colors in oil, flat white paints or any other type of medium desired for the particular work in hand. Stipple, pounce or texture immediately after application or at any time during the following two hours. Allow overnight to dry. Put up in 55 and 30 gallon drums, 5 and 1 gallon cans.

Glidden Metallic Gilding Lacquers



No. 151 Silver



No. 152 Gold



No. 153 Copper

Quick drying metallic gilding or bronzing lacquers recommended for refinishing radiators, grills, gratings, ornamental iron work, etc., where a lacquer finish is desired. Dry in forty-five minutes. Put up in 5, 1, $\frac{1}{2}$ and $\frac{1}{4}$ gallon double compartment cans.

No. 1908 Apartment Floor Varnish

For finishing natural, painted or grained floors. It is waterproof and withstands the hardest usage to which floors are subjected. Does not mar or scratch white. Sets dust free in two or three hours and is absolutely hard in from fifteen to twenty-four hours, depending on conditions. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon cans.

No. 1904 Low Lustre Varnish

This material is for interior use and has the same excellent qualities of our No. 1901 Interior Varnish, the only difference being that it dries to a rubbed or velvet effect instead of gloss. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon cans.

No. 1901 Interior Trim Varnish

A high grade gloss varnish for use on the finest interior trim. This material is light in color, has fine flowing and brushing qualities and is exceptionally elastic and durable. It sets dust free in three to four hours and dries in from twenty-four to thirty-six hours, according to conditions. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$, and $\frac{1}{8}$ gallon cans.

Glidden Ornamental Wood Stains

Glidden Ornamental Wood Stains are for use on new wood that has not been previously finished in any way. Should you desire to use them on wood that has been finished it is necessary to remove the old finish with Glidden Paint and Varnish Remover. The wood will then show best results from the stain. Put up in 5, 1, $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{8}$ gallon cans.



No. 222 Light Oak



No. 226 Light Walnut



No. 223 Dark Oak



No. 227 Dark Walnut



No. 224 Golden Oak



No. 228 Light Mahogany



No. 225 Cathedral Oak



No. 229 Dark Mahogany

General Maintenance Painting Guide

CLASSIFICATION	SURFACE	WOOD	METAL	MASONRY
Abattoirs & Packing Plants Produce Companies, Fisheries, Cold Storage Plants, Ice and Refrigeration	Exterior	Page 8	Page 29	Page 47
	Interior	" 25	" 75	" 67
	Equipment	" 61	" 80	" 42
Amusement Parks	General	23-93	44-92	54-90
Canning & Preserving Plants Fruits, Vegetables, Soups, Condiments, Pickles	Exterior	Page 8	Page 29	Page 47
	Interior	" 25	" 73	" 65
	Equipment	" 33	" 77	" 53
Cereal Food Products Bakeries, Flour Mills, Breakfast Foods	Exterior	Page 8	Page 29	Page 47
	Interior	" 57	" 61	" 57
	Equipment	" 61	" 77	" 49
Chain Stores	General	21-93	44-92	54-90
Chemical & Rubber Plants Acids, Oils, Solvents, Drugs, Dyestuffs, Cosmetics, Explosives, Fertilizers	Exterior	Page 25	Page 33	Page 52
	Interior	" 33	" 35	" 65
	Equipment	" 61	" 77	" 39
Commercial Structures Banks, Offices, Stores, Shops	Exterior	Page 21	Page 44	Page 54
	Interior	" 93	" 91	" 90
	Equipment	" 76	" 72	" 91
Confections & Beverages Candies, Coffee, Cocoa, Yeast, Soft Drinks, Syrups, Extracts	Exterior	Page 8	Page 29	Page 47
	Interior	" 61	" 77	" 69
	Equipment	" 61	" 77	" 42
Consumer Products Mfg. Automobiles, Refrigerators, Stoves, Farm Implements	Exterior	Page 8	Page 29	Page 47
	Interior	" 61	" 72	" 57
	Equipment	" 72	" 77	" 76
Gas & Electric Plants Central Stations, Gas Holders, Hortonspheres, Storage Tanks	Exterior	Page 8	Page 29	Page 47
	Interior	" 61	" 73	" 57
	Equipment	" 72	" 77	" 91
Industrial Products Mfg. Machine Tools, Hardware, Electrical Equipment, Pumps	Exterior	Page 8	Page 29	Page 47
	Interior	" 61	" 72	" 57
	Equipment	" 72	" 77	" 76
Lumber, Pulp & Paper Wood Products, Wall Board, Cartons, Cases, Furniture	Exterior	Page 8	Page 29	Page 52
	Interior	" 25	" 61	" 67
	Equipment	" 33	" 77	" 42
Milk Product Plants Ice Cream, Butter, Cheese Malted Milk, Buttermilk	Exterior	Page 8	Page 29	Page 50
	Interior	" 61	" 73	" 69
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Mill Villages	General	11-83	32-83	54-84
Mines, Metals Rfng. & Glass Steel Mills, Foundries, Smelters, Coke Plants, Clay and Cement	Exterior	Page 8	Page 29	Page 52
	Interior	" 25	" 32	" 62
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	Interior	" 93	" 92	" 70
	Equipment	" 82	" 72	" 91
Ornamental Structures Theatres, Auditoriums, Music Halls	Exterior	Page 21	Page 44	Page 54
	Interior	" 93	" 92	" 80
	Equipment	" 93	" 88	" 91
Residential Structures Apartments, Hotels, Club Buildings	Exterior	Page 8	Page 44	Page 54
	Interior	" 88	" 92	" 90
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Soap Products Plants Alkali Plants, Salt Wells, Gelatin Plants, Laundries	Exterior	Page 8	Page 37	Page 52
	Interior	" 25	" 77	" 65
	Equipment	" 37	" 81	" 39
Textile Mills Clothing, Rugs, Rayon, Leather and Shoes	Exterior	Page 8	Page 29	Page 47
	Interior	" 61	" 73	" 57
	Equipment	" 72	" 77	" 49
Trucks & Wagons	General	86	86	
Vegetable Oil Refineries Oleomargarine, Shortening, Salad Oils, Mayonnaise	Exterior	Page 8	Page 29	Page 47
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Warehouses & Lofts	General	11-25	32-83	52-66

NOTE: Where two page numbers appear under one caption, the first refers to exterior surfaces and the second to interior surfaces.

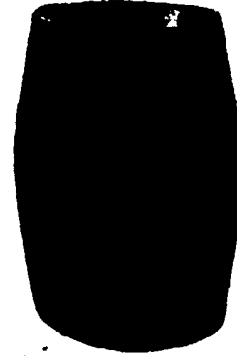
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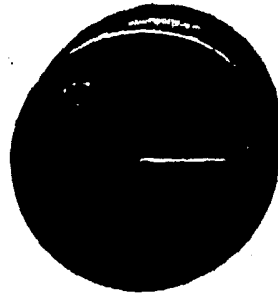
Glidden Standard Containers



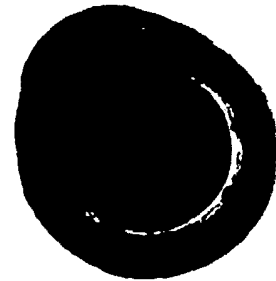
ONE TIME SHIPPING
DRUM 55 AND 30 GAL.



WOOD BARREL
55 AND 30 GAL.



AGITATOR DRUM
55 AND 30 GAL.



WIDE ORIFICE END DRUM
55 AND 30 GAL.



5 GAL.
PAINT KIT



5 GAL.
SQUARE CAN



1 GAL.
SQUARE CAN



1 GAL.
ROUND CAN