

SWEET'S **CATALOGUE FILE** **(ARCHITECTURAL)**

Indexed
of Building Construction

A File of Manufacturers' Catalogues
of Building Materials, Equipment and Services

FOR THE
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THE EAGLE-PICHER LEAD COMPANY

Manufacturers of Lead Pigments for Paints

GENERAL OFFICES

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N. S.

For Eagle Home Insulation, see Manufacturers' Index

Eagle White Lead—For All Types of Painting

Pure lead paint (made from white lead carbonate ground in linseed oil) continues to be the most satisfactory answer to all general painting problems. In the hands of a good painter, it is quickly mixed to suit exactly all the requirements of each job. It readily fits into any decorative plan, for the painter tints it to the desired shade on the job.

Pure lead paint expands and contracts with changes in temperature; the film is elastic and long wearing despite severe weather conditions. It wears away slowly, so that when repainting is necessary, the old film forms a perfect base for the new white lead coats without burning or scraping off.

Eagle White Lead comes in three forms: *heavy paste*, easily mixed *soft paste*, and *All-Purpose paste*. All three are pure lead carbonate ground in linseed oil. *Soft paste* contains more oil, ground in at the Eagle factories to save the painter's time in preparing the mixture for the brush. *All-Purpose paste* contains a small amount of pure turpentine, added at the factory during extra grinding by a special milling process. This makes *All-Purpose* equally useful for producing perfect interior flat finishes and durable exterior finishes.

For Interior Decoration—(a) Flat Effects and "Egg-Shell" Gloss Finishes.—When pure white lead is thinned to brushing consistency with Eagle Flatting Oil, the resulting paint provides a durable finish which may be tinted to any color. The paint dries into a smooth washable surface showing no brush marks.

Before application, the wall surface should be thoroughly dry; if, for example, paint is applied on plaster walls which are still damp, cracking will develop. Loose paint scales, if present, must be scraped and sandpapered off; oil or grease spots must be removed, for paint will not adhere to these surfaces. All dust must be wiped off; otherwise it is liable to mix with the paint and discolor it. General Formulae (using Eagle All-Purpose Paste White Lead):

New Inside Work

Priming Coat

Eagle All-Purpose White Lead.....	100	lbs.
Pure Raw Linseed Oil.....	3	gals.
Pure Turpentine or Eagle Flatting Oil.....	2 1/4	gals.
Best Japan Drier.....	1	pt.
Paint produced.....	8 3/4	gals.

Second Coat

Eagle All-Purpose White Lead.....	100	lbs.
Pure Raw Linseed Oil.....	1 1/2	gals.
Pure Turpentine or Eagle Flatting Oil.....	1 1/4	gals.
Best Japan Drier.....	1	pt.
Paint produced.....	5 3/4	gals.

Third Coat—Oil Gloss

Eagle All-Purpose White Lead.....	100	lbs.
Pure Raw Linseed Oil.....	3-3 1/2	gals.
Best Japan Drier.....	1	pt.
Paint produced.....	6 3/4-6 3/2	gals.

Third Coat—Flat

Eagle All-Purpose White Lead.....	100	lbs.
Pure Turpentine or Eagle Flatting Oil.....	2 1/4	gals.
Paint produced.....	5 3/4	gals.

Old Inside Work

First Coat

Eagle All-Purpose White Lead.....	100	lbs.
Pure Raw Linseed Oil.....	1	gal.
Pure Turpentine or Eagle Flatting Oil.....	2 1/4	gals.
Best Japan Drier.....	1	pt.
Paint produced.....	6 3/4	gals.



Second Coat—Oil Gloss

Eagle All-Purpose White Lead.....	100	lbs.
Pure Raw Linseed Oil.....	3-3 1/2	gals.
Best Japan Drier.....	1	pt.
Paint produced.....	6 3/4-6 3/2	gals.

Second Coat—Flat

Eagle All-Purpose White Lead.....	100	lbs.
Turpentine or Eagle Flatting Oil.....	2 1/4	gals.
Paint produced.....	5 3/4	gals.

Note: Eagle Flatting Oil, as recommended in the foregoing specifications, is obtainable in quart, gallon, and 5-gal. oil colors of known quality effectively combine with Eagle White Lead; a tinting chart will be sent on request.

In the foregoing formulae, no consideration has been made for color other than that of the natural gleaming whiteness of pure lead paint. Any oil colors of known quality effectively combine with Eagle White Lead; a tinting chart will be sent on request.

(b) **Plastic Finishes from White Lead Paint.**—Dignified, low-relief textures can be secured with Eagle White Lead. Tones and shades are limitless, depending on the motif of the individual decorative scheme. Any skilled craftsman can quickly execute these tasteful plastic finishes; a detailed booklet on this subject will be sent without charge to any architect desiring it.

For Exterior Decoration.—Pure lead paint has long enjoyed unequalled prestige for durability and beauty in outside painting work. The surface, prior to painting, must be prepared in general as suggested under "Interior Decoration." General Formulae (using Eagle All-Purpose Paste White Lead):

Old Outside Work

First Coat

Eagle All-Purpose White Lead.....	100	lbs.
Raw Linseed Oil.....	2 1/4	gals.
Pure Turpentine or Eagle Flatting Oil.....	1 1/4	gals.
Best Japan Drier.....	1	pt.
Paint produced.....	7 3/4	gals.

Second Coat

Eagle All-Purpose White Lead.....	100	lbs.
Raw Linseed Oil.....	3	gals.
Best Japan Drier.....	1	pt.
Paint produced.....	6 3/4	gals.

New Outside Work

Priming Coat

Eagle All-Purpose White Lead.....	100	lbs.
Raw Linseed Oil.....	4	gals.
Pure Turpentine or Eagle Flatting Oil.....	1 1/4	gals.
Best Japan Drier.....	1	pt.
Paint produced.....	8 3/4	gals.

For very light-colored woods 1/2 gal. more of oil may be added.

Second Coat

Eagle All-Purpose White Lead.....	100	lbs.
Raw Linseed Oil.....	2 1/2	gals.
Pure Turpentine or Eagle Flatting Oil.....	1 1/4	gals.
Best Japan Drier.....	1	pt.
Paint produced.....	6 3/4	gals.

For very light-colored woods 1/4 gal. more of oil may be added.

Third Coat

Eagle All-Purpose White Lead.....	100	lbs.
Raw Linseed Oil.....	3	gals.
Best Japan Drier.....	1	pt.
Paint produced.....	6 3/4	gals.

Eagle Sublimed Blue Lead—for Metal Surfaces

Sublimed Blue Lead is a fine, slate-gray powder, produced by sublimating galena ore (lead sulphide) in special furnaces. The pigment is accurately mixed with linseed oil in proper proportions and ground. No other raw materials are used. Sublimed Blue Lead is not only highly efficient for rustproofing, but is economical, both in original cost and long service. A gallon of Sublimed Blue Lead will cover six hundred to eight hundred square feet of metal of average smoothness.

Advantages of Sublimed Blue Lead—

Proper basicity, chemically stops corrosion.
Exceptional durability; does not crack, check or peel.
Elasticity and toughness in oil.
Extreme fineness and smoothness.
Easy brushing, spraying, and dipping qualities, air dried or baked.
Remarkable opacity.
Pleasing color—being slate gray and easily tinted.
Exceptionally low cost per square foot.
Can be used with neutral treated oils and varnishes.
Suitable for use on wood or metal—all coats.

Where to Use Sublimed Blue Lead

Sublimed Blue Lead is an ideal pigment for every purpose requiring a metal protective paint. It is used extensively in rustproofing structural steel for buildings and in the "spot" painting of bridges. Recently it has come into general use in breweries, where steel and other surfaces are subjected to excessive moisture, steam and acids.

Its first use is as a priming coat (direct to the metals). Sublimed Blue Lead is equally good for second and finishing coat work for metal or wood. To easily identify the different coats when Sublimed Blue Lead is used as a priming coat, it may be painted over with Eagle White Lead in Oil or Eagle Sublimed White Lead or mixed with either of them or with other combinations; such as, red lead, American vermilion, commercial chrome green or commercial chrome yellow. It can be brushed, sprayed, dipped, air dried, or baked.

Estimating Paint Requirements on Structural Steel

The scale below represents a method employed by an important steel fabricator for rapidly estimating the approximate paint requirements of large projects. Based upon the use of Sublimed Blue Lead, which as a priming coat covers from six hundred to eight hundred square feet per gallon, this chart expresses the gallons of paint required per ton of steel in various types and shapes:

Average Highway Bridges	0.4 gal. per ton
Highway Beam Spans and Lattice Railing	0.8 gal. per ton
Light Mill Building	0.4 gal. per ton
Heavy Mill Building	0.32 gal. per ton
Plate Girders, Railway or Highway	0.24 gal. per ton
Heavy Highway and Railway Truss Spans	0.32 gal. per ton
Office Buildings	0.2 gal. per ton
Railing Beam Bridges	0.2 gal. per ton

For estimating graphite or iron oxide paint requirements, add 25% more paint to the scale above. For estimating red lead requirements, add 50% more paint to the scale.

How to Use Sublimed Blue Lead—The removal of rust, mill scale and dirt should be done generally by sand blasting or through the use of metal brushes, scrapers, chisels, hammers or other effective means until bright steel is exposed. If sand blasting is used, the first coat must follow immediately.

Oil and grease may be removed by the use of naphtha or benzine. Do not apply paint on wet or damp surfaces and in no case until preceding coat is dry and hard. Allow about four days before applying second coat for exterior work. For interior work allow one week before applying a second coat, and approximately forty-eight hours between second and third coats.

Paint shall be evenly spread and shall be thoroughly brushed out. Where solder fluids have been used on metal surfaces, it

shall be cleaned thoroughly with benzine before any paint is applied. All rivet heads and bolts, and all edges and corners shall be thoroughly covered with paint in painting structural steel or other metal work.

How to Secure Sublimed Blue Lead—Sublimed Blue Lead in Oil sells at the same low price as Eagle White Lead in Oil and may be had in 12½, 25, 50 and 100-lb. containers, or may be secured from paint manufacturers by specifying pure Eagle Sublimed Blue Lead mixed to paint consistency ready to apply.

Paint Formulae**Sublimed Blue Lead in Oil (paste)—First Coat**

Sublimed Blue Lead in Oil.....	100 lbs.
Raw Linseed Oil.....	2% gals.
Turpentine or paint and varnish manufacturers' 48° to 50° Naphtha.....	1% gals.
Drier (unadulterated and rosin free).....	1 qt.
Paint produced approximately 7¼ gals. weighing 17¼ to 18½ lbs. per gal.	

Second Coat

Sublimed Blue Lead in Oil. 100 lbs.	
Raw Linseed Oil.....	3 gals.
Turpentine or 48° to 50° Naphtha.....	2 qts.
Drier (unadulterated and rosin free).....	1 qt.
Paint produced approximately 6½ gals. weighing 18½ to 19½ lbs. per gal.	

Sublimed Blue Lead—Dry (powder)—First Coat

Sublimed Blue Lead—Dry 90 lbs.	
Raw Linseed Oil.....	3% gals.
Turpentine or 48° to 50° Naphtha.....	1% gals.
Drier (unadulterated and rosin free).....	1 qt.
Paint produced approximately 7¼ gals. weighing 17½ to 18½ lbs. per gal.	

***Second Coat**

Sublimed Blue Lead—Dry.....	90 lbs.
Raw Linseed Oil.....	4¼ gals.
Turpentine or 48° to 50° Naphtha.....	2 qts.
Drier (unadulterated and rosin free).....	1 qt.
Paint produced approximately 6½ gals. weighing 18½ to 19½ lbs. per gal.	

*Where impractical to have two formulae used on a job, this second coat formula is suitable for both first and second coats.

48° to 50° Naphtha represents the gravity known as the Baume or hydrometer test for a liquid weight. When used as a substitute for turpentine, be sure the flash point complies with the fire underwriters or local ordinance.

To increase the permanence of the color, many users add about three per cent lampblack or black magnetic oxide of iron to formulae for second and finishing coats.

The Raw Linseed Oil shall conform to the linseed oil specifications of the A.S.T.M. Standards, Pages 655-658, Volume 21. The Japan Drier shall be pure unadulterated drier containing no rosin.

The Turpentine used shall be pure unadulterated turpentine and conform to the specifications of the Department of Commerce, Bureau of Standards, as given in Circular No. 86.

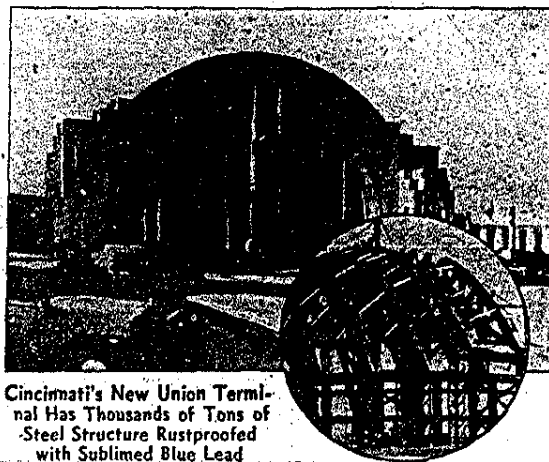
For finishing coats where a battle-ship grey, cement or stone color is desired, Sublimed Blue Lead may be tinted easily with white lead.

Note: For painting metal surfaces that may become too hot to warrant the use of linseed oil, substitute winter pressed fish oil.

Eagle Red Lead—Dry and in Oil

Eagle Red Lead in Oil is packed in 100, 50, 25, and 12½-lb. kegs. In dry form, it is put up in barrels of 500-600 lbs.

It possesses high "true" red lead content and is fine enough to insure splendid brushing qualities. It is impervious to water and unaffected by atmospheric gases. The rapid drying qualities of Eagle Red Lead make it decidedly advantageous for use where a hard surface, capable of withstanding abrasion, must be produced in a shorter time than usual.



Cincinnati's New Union Terminal Has Thousands of Tons of Steel Structure Rustproofed with Sublimed Blue Lead

NATIONAL LEAD COMPANY

Member of the Producers' Council, Inc.

Paint Materials for the Protection and Decoration of Wood, Plaster, Brick, Stone, Concrete, Stucco, Metal

NEW YORK, N. Y., 111 Broadway
BOSTON, MASS., National-Boston Lead Co., 800 Albany Street
BUFFALO, N. Y., 116 Oak Street
CHICAGO, ILL., 900 West 18th Street
CINCINNATI, OHIO, 659 Freeman Avenue
CLEVELAND, OHIO, 820 West Superior Avenue

PHILADELPHIA, PA., John T. Lewis & Bros. Co., Widener Building
PITTSBURGH, PA., National Lead & Oil Co., 316 Fourth Avenue
ST. LOUIS, MO., 722 Chestnut Street
SAN FRANCISCO, CAL., 2240 24th Street

Dutch Boy Products

Dutch Boy All Purpose Soft Paste White-Lead. This is a soft paste or quick-mixing white-lead which, as its name signifies, is equally suitable for inside or outside use. Mixed with flattening oil, it flats perfectly, giving a beautiful, washable interior finish free from "flashes" or shiny places. Mixed with linseed oil, it produces the fine type of durable exterior gloss finish always associated with pure white-lead. Moreover, it is whiter and smoother than making for whiter whites, clearer tints, better all-around appearance.

Dutch Boy White-Lead is also obtainable in the old-style heavy paste form, which differs in composition from the all-purpose soft paste only in that it contains no turpentine. Both are pure "lead-in-oil." It is the turpentine in the latter product, plus extra milling, that gives the quick-mixing qualities.

Dutch Boy Red-Lead-in-Oil. A very highly oxidized grade of pure red-lead ground in pure linseed oil to paste consistency. Its exceptionally high true red-lead (PbO_2) content and the fineness of its pigment particles insure a paint of excellent brushing qualities, good coverage and extreme durability.

Dutch Boy Liquid Red-Lead. A ready-to-use, pure red-lead paint weighing 28 lbs. to the gallon. Equivalent to paint made by mixing 185 gals. linseed oil with 100 lbs. Dutch Boy Red-Lead-in-Oil (paste red-lead). Composition by weight: Pure red-lead (98% true red-lead)—81%; pure raw linseed oil—18%; pure liquid drier—1%. Can also be had tinted—in light and dark brown, light and dark green, and black.

Dutch Boy Wall Primer. Dutch Boy Wall Primer is a special primer developed for use in white-lead painting. Stops suction, seals fire cracks and, at same time, serves as first coat. Possesses exceptional hiding power. Forms a tightly adhering foundation for succeeding coats of white-lead. Works equally well on all interior surfaces—plaster, wallboard, insulating board, brick, concrete.

Dutch Boy Linseed Oil. Clear, carefully filtered, well settled, pure linseed oil conforming to specifications of American Society for Testing Materials. 1 and 5-gal. sealed cans.

Dutch Boy Flattening Oil. A skilfully blended flattening liquid for use with white-lead to produce flat and semigloss paint for interior walls and woodwork. When white-lead is thinned with flattening oil a paint results which possesses many points of excellence. It has good hiding power. It levels itself nicely. It sets slowly, so that large areas can be worked without risk of laps. It is durable and washable.

Dutch Boy Colors-in-Oil. These can be depended upon to be oil colors of the very highest grade. They were developed especially for tinting white-lead or red-lead paint.

In consistency a smooth, buttery paste, Dutch Boy colors disperse into paint quickly without lumping or streaking. Strong in tinting power, they are economical and give clean, sharp tints. Absolutely true in color tone, too.

Dutch Boy Liquid Drier. This is a properly balanced paint drier possessing every desirable quality—uniformity, strength, excellence of ingredients.

General Painting Specifications

Following are general specifications for the painting of interior and exterior surfaces:

Preparation of Surface—(1) Woodwork. New woodwork shall be cut smooth with sandpaper where required and dusted



clean before priming. From old woodwork which has been painted before, all loose paint, scale, dirt and dust shall be removed. Wash off with benzine or turpentine all parts where liquid paint remover has been used.

After the priming coat on new woodwork is applied, all knots and sappy streaks shall receive one coat of shellac varnish brushed out thin and all dents, cracks and other defects shall be filled with putty composed of white-lead and whiting.

(2) Plaster. Before applying any paint to plaster, either new or old, see that it is clean and smooth. Fill all cracks and holes with patching plaster. Where new plaster to be painted is not properly aged, it shall be treated before priming with a solution made by dissolving 2 lbs. of zinc sulphate in 1 gal. of water.

(3) Brick and Stone. New brickwork shall not be primed until dry. At least 2 or 3 days of dry weather shall precede painting. If any mortar has become loose or damaged, all such places shall be pointed with mortar before applying paint. After priming, correct small defects in the surface with putty.

(4) Stucco and Concrete. Stucco or concrete shall be allowed to stand and dry at least six months before paint is applied. If painted before this time, it shall be treated with a solution made by dissolving 2 lbs. of zinc sulphate in 1 gal. of water.

(5) Metal Work. Iron, steel and other metal work shall be cleaned thoroughly of all loose paint, dirt, oil, grease, rust, scale and other foreign matter before paint is applied.

The Paint and Its Application—(6) Designation of Paint to be Used. All woodwork, plaster, brick, stone, concrete and stucco which are to be painted, shall be painted with NATIONAL LEAD COMPANY'S Dutch Boy White-Lead, Dutch Boy Flattening Oil, Dutch Boy Wall Primer, Dutch Boy Linseed Oil, pure turpentine and Dutch Boy Liquid Drier mixed according to the formulas hereinafter designated for each kind of work. All metal shall be painted with NATIONAL LEAD COMPANY'S Dutch Boy Red-Lead-in-Oil, Dutch Boy Liquid Red-Lead or pure dry red-lead and Dutch Boy Linseed Oil mixed according to formulas hereinafter given for each specific purpose.

(7) Tinting Materials. In producing tints and shades, Dutch Boy Colors-in-Oil shall be used. If colors-in-oil are used in quantities large enough to affect the consistency of the paint, the quantities of thinners named in the formulas shall be increased in amount equal to one-half the weight of the tinting material.

(8) Applying the Paint. No exterior painting shall be done when rain or snow is falling, during fog, or until after dew or moisture which may be on the surface has completely disappeared. Painting done in winter weather shall only be done when the temperature is above 50° F. and when all surfaces are dry. All exterior work shall be allowed to dry at least 4 days before the next coat is applied and at least 2 days shall be allowed between coats on interior work.

Formulas

All the white-lead formulas that follow are based on Dutch Boy All-Purpose Soft Paste White-Lead. If heavy paste white-lead is to be used, the same formulas apply except for slight changes in turpentine or flattening oil quantities as noted.

(9) New Woodwork, Exterior—Three coats of paint, mixed as follows, shall be applied:

	Priming Coat	Second Coat	Third Coat
Dutch Boy All-Purpose Soft Paste White-Lead	100 lbs.	100 lbs.	100 lbs.
Dutch Boy Linseed Oil	4 gals.	1½ gals.	3 gals.
*Pure Turpentine	1½ gals.	1½ gals.	1 pt.
†Dutch Boy Liquid Drier	1 pt.	1 pt.	1 pt.

*With heavy paste white-lead, add 1 qt. turpentine to third coat formula and increase by this quantity the turpentine in other two coats.

†When boiled oil is used, reduce drier to ½ pt.

(10) Repainting Woodwork, Exterior—Two coats of paint, mixed as follows, shall be applied:

	First Coat	Second Coat
Dutch Boy All-Purpose Soft Paste White-Lead	100 lbs.	100 lbs.
Dutch Boy Linseed Oil	2 gals.	3 gals.
*Pure Turpentine	1½ gals.	1 pt.
†Dutch Boy Liquid Drier	1 pt.	1 pt.

*With heavy paste white-lead, add 1 qt. turpentine to second coat formula and increase by this quantity the turpentine in first coat.

†When boiled oil is used, reduce drier to ½ pt.

(11) Plaster, Interior—Plaster never before painted shall first receive a priming coat of Dutch Boy Wall Primer and then two coats mixed as follows:

	Second Coat	Third Coat Flat Finish	Third Coat Eggshell Finish
Dutch Boy All-Purpose Soft Paste White-Lead	100 lbs.	100 lbs.	100 lbs.
*Dutch Boy Flattening Oil	1½ gals.	1½ gals.	1½ gals.
Dutch Boy Wall Primer	2 gals.	8 gals.	8 gals.

*With heavy paste white-lead, increase flattening oil to 2 gals. in each case.

In repainting plaster, only two coats are necessary and the priming coat may be omitted.

(12) New Woodwork, Interior—Woodwork inside never before painted shall first receive a priming coat as follows:

	Priming Coat
Dutch Boy All-Purpose Soft Paste White-Lead	100 lbs.
Dutch Boy Linseed Oil	3 gals.
*Dutch Boy Flattening Oil	2½ gals.
Dutch Boy Liquid Drier	1 pt.

*With heavy paste white-lead, increase to 3 gals.

This priming coat shall be followed by two coats mixed as follows:

	Second Coat	Third Coat Flat Finish	Third Coat Eggshell Finish
Dutch Boy All-Purpose Soft Paste White-Lead	100 lbs.	100 lbs.	100 lbs.
*Dutch Boy Flattening Oil	1½ gals.	1½ gals.	1½ gals.
Dutch Boy Wall Primer	2 gals.	8 gals.	8 gals.

*With heavy paste white-lead, increase to 2 gals. in each case.

(13) Repainting Woodwork, Interior—In repainting interior woodwork, only two coats are necessary. Use the same formulas as for New Woodwork, Inside, simply omitting the priming coat.

(14) Brick, Stucco, Concrete, Stone—Three coats of paint, mixed as follows, shall be applied to brick, stucco, concrete and stone never before painted.

	Priming Coat	Second Coat
Dutch Boy All-Purpose Soft Paste White-Lead	100 lbs.	100 lbs.
Dutch Boy Linseed Oil	3 gals.**	2 gals.
Spar Varnish	2 gals.	1 pt.
*Pure Turpentine	1½ gals.	1½ gals.
†Dutch Boy Liquid Drier	1 pt.	1 pt.

	Third Coat Gloss Finish	Third Coat Flat Finish
Dutch Boy All-Purpose Soft Paste White-Lead	100 lbs.	100 lbs.
Dutch Boy Linseed Oil	3 gals.	1½ gals.
Dutch Boy Flattening Oil	1½ gals.	1½ gals.
*Pure Turpentine	1 pt.	1 pt.
†Dutch Boy Liquid Drier	1 pt.	1 pt.

*With heavy paste white-lead, increase turpentine in priming and second coats to 1½ gals., add 1 qt. turpentine to third coat gloss formula, and increase flattening oil in flat finish formula to 2 gals.

†When boiled oil is used, reduce drier to ½ pt.

**Boiled oil is preferable here. If it is not available, use raw linseed oil and add 1½ pts. drier.

(15) Metal Work, Exterior and Interior—Three coats of paint, mixed as follows, shall be applied to exterior and interior metal work:

	First Coat	Second Coat (light brown)
Dutch Boy Paste Red-Lead	100 lbs.	100 lbs.
*Dutch Boy Linseed Oil	2½ gals.	2½ gals.
Dutch Boy Lampblack	1 pt.	1 pt.
Pure Turpentine	1 pt.	1 pt.
Dutch Boy Liquid Drier	1 pt.	1 pt.

or

	First Coat	Second Coat
Pure Dry Red-Lead	100 lbs.	100 lbs.
*Dutch Boy Linseed Oil	3½ gals.	3½ gals.
Dutch Boy Lampblack	1 pt.	1 pt.
Pure Turpentine	1 pt.	1 pt.
Dutch Boy Liquid Drier	1 pt.	1 pt.

Third Coat (dark brown)

	Third Coat
Dutch Boy Paste Red-Lead	100 lbs.
*Dutch Boy Linseed Oil	3½ gals.
Dutch Boy Lampblack	6 pts.
Pure Turpentine	1 pt.
Dutch Boy Liquid Drier	1 pt.

or

	Third Coat
Pure Dry Red-Lead	100 lbs.
*Dutch Boy Linseed Oil	5 gals.
Dutch Boy Lampblack	6½ pts.
Pure Turpentine	1 pt.
Dutch Boy Liquid Drier	1 pt.

*If genuine boiled linseed oil is available, use one-third boiled and two-thirds raw oil, omitting drier.

If liquid red-lead is to be used, specify Dutch Boy Liquid Red-Lead No. 1 (natural red-lead color) for first coat, Dutch Boy Liquid Red-Lead No. 6 (light brown) for second coat and Dutch Boy Liquid Red-Lead No. 7 (dark brown) for third coat.

Where a dark color other than brown is desired for the finishing coat, one of the following formulas shall be used according to the color desired:

	Light Green	Dark Green
Dutch Boy Paste Red-Lead	100 lbs.	100 lbs.
*Dutch Boy Linseed Oil	5½ gals.	4 gals.
Dutch Boy Medium Chrome Yellow	1½ gals.	5 pts.
Dutch Boy Chinese or Prussian Blue	1½ gals.	6 pts.
Pure Turpentine	1 pt.	1 qt.
Dutch Boy Liquid Drier	1 pt.	1 qt.

	Black
Dutch Boy Paste Red-Lead	100 lbs.
*Dutch Boy Linseed Oil	14 gals.
Dutch Boy Chinese or Prussian Blue	1½ gals.
Dutch Boy Lampblack	6½ gals.
Pure Turpentine	½ gal.
Dutch Boy Liquid Drier	½ gal.

*If genuine boiled linseed oil is available, use one-third boiled and two-thirds raw oil, omitting drier.

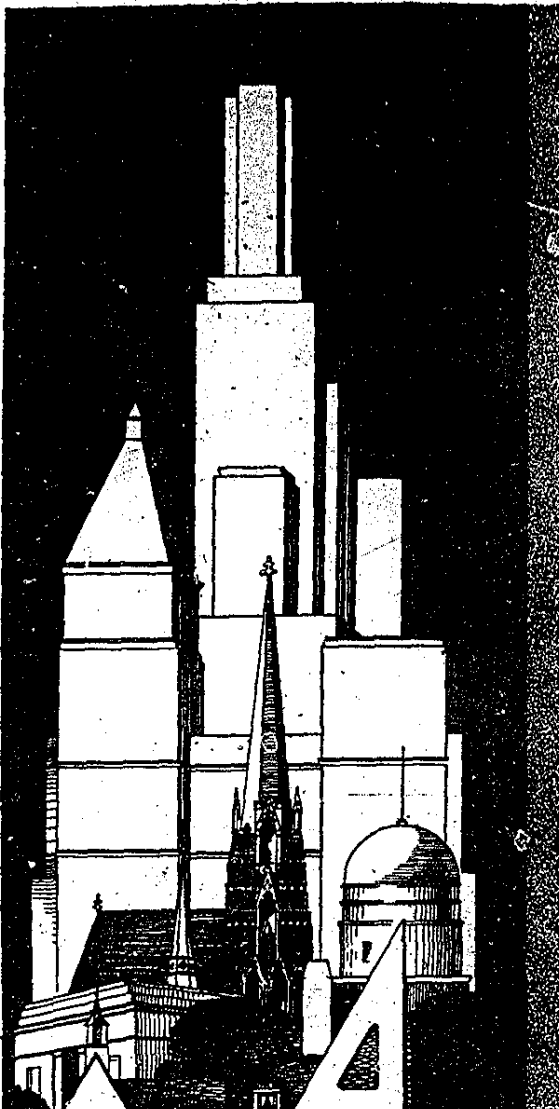
If liquid red-lead is to be used, specify Dutch Boy Liquid Red-Lead according to the finishing color desired, that is: No. 8—light green; No. 9—dark green; or No. 5—black.

Formulas for Other Work

If the type of painting work to be done is not covered here, we shall be glad to furnish the proper formulas for it if you will address a request to NATIONAL LEAD COMPANY, 111 Broadway, New York, N. Y.

Booklets on Painting

A practical book, of unusual value to those interested in the subjects of paint and painting, is our "Handbook on Painting." This book gives formulas and directions for exterior and interior work of all kinds. It covers, in complete detail, the painting of wood, plaster, brick, stone, concrete, stucco and metal. We also publish a booklet, "Structural Metal Painting," which discusses the causes of corrosion and remedies for it, besides giving formulas and going into detail on the subject of painting structural metal of all kinds. For copies, simply address our nearest branch.



THE SHERWIN-WILLIAMS CO.

LARGEST PAINT AND VARNISH MAKERS
IN THE WORLD

DEPARTMENT
OF
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Manufacturers of Paints, Varnishes, Lacquers, Stains, Enamels,
Fillers, Undercoaters, Concrete Finishes,
Waxes, Dampproofing, Plaster Bond, Polishes, Cleaners,
Wood Preservatives, Concrete Hardner

THE SHERWIN-WILLIAMS Co. makes a finish for every surface. Sixty five years in the paint business has proved that there is no general paint for all uses. Different conditions require different treatment, and each Sherwin-Williams product is therefore made for a particular purpose.

Sherwin-Williams Paints, Varnishes, Stains, Lacquers, etc., represent the best technical knowledge in the production of such finishes today. In specifying Sherwin-Williams Products, the architect may know that he is giving his client the benefit of the world's best knowledge. No individual painter can pur-

LOCAL REPRESENTATIVE

chase raw materials and mix paints that will equal those made in a factory. Hand stirring never will equal machine grinding. Man-mixed products will never be as good as those made with the mechanical efficiency used in the Sherwin-Williams Plants.

And the constant check which Sherwin-Williams maintains on its raw materials safeguards the quality of the finishes produced. Sherwin-Williams standardization allows the architect's client to obtain at a later date identical material which will match absolutely the product used originally on the building.

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FOREWORD TO SPECIFICATIONS

The following specifications are intended to cover the entire field of finishing walls, floors, and woodwork. For additional information, address THE SHERWIN-

WILLIAMS CO., Department of Architectural Service, 101 Prospect Avenue, N. W., Cleveland, Ohio, or any of the Branch Offices listed on page 13.

METAL PROTECTIVE COATINGS

In the following specifications, which apply to buried and exposed steel alike, Sherwin-Williams Kromik Metal Primer and Sherwin-Williams Metalastic are called for. These materials are recommended for the following reasons: Kromik Metal Primer is particularly suited for use as a protective coating applied directly to bare metal; Metalastic is especially manufactured to be a final protective coating which will staunchly guard against danger to undercoats.

In the manufacture of Sherwin-Williams Kromik Metal Primer, chromates play an important part. Chemists explain that chromates tend to render the surface of steel passive, and thus their use in a priming coat is a further preventive against action of rust. Kromik Metal Primer has the following advantages over ordinary Red Lead, which in itself is recognized as a standard material, and which is actually an excellent paint: Kromik is noticeably easy to apply, especially on difficult and inaccessible members; is not affected by sulphur fumes in the air; shows remarkable durability where the metal is allowed to stand for long periods of time before being re-coated; inhibits corrosion; shows a favorable lower material cost. Kromik is the Sherwin-Williams standard specification for a priming coat on bare metal.

Sherwin-Williams Metalastic is a protective coating of the graphite type. Being a full oil paint, it dries with a tough, durable, and exceedingly tight film, with high water-shedding properties. It is the standard Sherwin-Williams specification for finishing coats on structural steel work.

The use of Kromik Metal Primer and Metalastic together is definitely advised, owing to their having the same degree of elasticity, which tends to make the finished coating less apt to break down under severe conditions.

Exterior Exposure

Specification No. 1—Before applying the priming or shop coat, all rust, mill scale, grease, and foreign matter shall be removed from the surface to be painted. No painting shall be done in wet or freezing weather, and no surface that is either damp or wet shall be painted.

First Coat—The priming or shop coat shall be applied before shipment to site. Apply Sherwin-Williams Kromik Metal Primer in the consistency supplied by manufacturer. Two coats of this material shall be applied to riveted and bolted connections, and to parts not easily accessible after erection. *No thinner shall be added without written approval of the architect or engineer.*

Note: Any portions of the surface which have become abraded in transit shall be "spotted" with Kromik Metal Primer before application of second (first field) coat.

Second Coat—This is the first field coat. Apply Sherwin-Williams Metalastic Brown, in consistency supplied by manufacturer.

Third Coat—Apply Sherwin-Williams Metalastic Black, after the second coat (first field coat) is entirely dry. Use in consistency supplied by manufacturer.

Iron or Steel Surfaces Exposed to Acid Fumes

Specification No. 2—Before applying the priming or shop coat, all rust, mill scale, grease, and other foreign matter shall be removed from the surface to be painted. No painting shall be done in wet or freezing weather, and no surface that is damp or wet shall be painted.

First Coat—Priming or shop coat shall be applied before the steel is shipped to the site. Apply Sherwin-Williams Kromik Metal Primer in the consistency supplied by manufacturer. Two coats of this material shall be applied to riveted or bolted connections, and to parts not easily accessible after erection. *No thinner shall be added without written approval of the architect or engineer.*

Note: Any portions of surface which have become abraded in transit shall be "spotted" with Kromik Metal Primer before application of second (first field) coat.

Second Coat—This is first field coat. Apply Sherwin-Williams Non-Corrosible Acid Resisting Paint, Black.

Hot Surfaces (Stacks, Flues, Pipes, etc.)

Specification No. 3—All rust, dirt, grease, etc., shall be cleaned from the surface to be painted.

First Coat—Apply Sherwin-Williams Salamander Black, in the consistency supplied by manufacturer.

Second Coat—After first coat is dry, use same material for second coat.

Exterior Ornamental Iron Work—Flat Black Finish

Specification No. 4—All rust, mill scale, grease, and other foreign matter shall be removed from the surface to be painted. No painting shall be done in wet or freezing weather, and no damp or wet surface shall be painted.

First Coat—Before shipment to site apply one coat of Williams Kromik Metal Primer as supplied by manufacturer.

Second Coat—This is the first field coat. Apply Sherwin-Williams Metalastic Black.

Note: Any portions of surface which have become abraded in transit must first be "spotted" with Kromik Metal Primer before application of second (first field) coat.

Third Coat—This is the final, finishing coat. Apply Sherwin-Williams Quick Drying Color Black, thinned with turpentine, mixed with linseed oil as follows: Two parts of black by bulk, to one part of turpentine, and one part of oil by bulk. Mix by adding turpentine to black, and when thoroughly stirred, add linseed oil.

Exterior or Interior Metal Work—Verde Antique Finish

Specification No. 5—All rust, grease, resin, dirt, etc., shall be removed from the surface to be painted.

First Coat—Prior to shipment to site, apply one coat Sherwin-Williams Kromik Metal Primer in consistency supplied by manufacturer.

Note: Any portions of surface which may have become abraded in transit shall be "spotted" with Kromik Metal Primer before application of second (first field) coat.

Second Coat—This is, the first field coat. Apply SWP (Sherwin-Williams Paint, Prepared) shade No. 393.

Third Coat—This is the finishing coat. Apply a brush, stipple coat of SWP No. 355, tinted with Sherwin-Williams First Quality Oil Color Paris Green to shade approved by architect.

Painting of Galvanized Iron

Specification No. 6—All galvanized iron surfaces such as gutters, down-spouts, etc., shall be primed with one coat of Sherwin-Williams Galvanized Iron Primer, (see Specification No. 60).

PRESERVATION OF BURIED WOODEN SURFACES

Sherwin-Williams Carbolic-oil is a non-volatile oil obtained from coal-tar through distillation, and is as strong and permanent a preservative as can be produced. It can be applied by brush or dip method.

Specification No. 8—First Coat—All wood to be buried below ground shall be given one coat of Sherwin-Williams Carbolic-oil as supplied by manufacturer.

PAINTING AND STAINING OF EXTERIOR SURFACES

SWP (Sherwin-Williams Paint, Prepared) represents the best technical knowledge in the production of paint for general outside use. It is a combination of strictly pure carbonate of lead, sulphate of lead, zinc oxide, titanium pigment, pure linseed oil and turpentine, representing a *perfectly balanced* formula. Supplied in 32 colors and white. The advantages in its use are: greater covering capacity, greater hiding power, longer life, which result in greater economy.

Exterior Wood Surfaces (New)—Painted Finish

See Alternative Specification No. 10.

Specification No. 9—Before using SWP, surface shall be dry and free from dirt or grease. Do not paint in wet or frosty weather. Any pitchy spots in wood shall be coated with orange shellac after first coat has been applied.

First Coat—(For new soft woods such as cedar, white pine or redwood)—Apply SWP in color selected by architect mixed in following proportions: 1 gallon SWP, 1 gallon pure linseed oil, 1 pint pure gum spirits of turpentine. Do not apply second coat until first is perfectly dry.

First Coat—(For new resinous woods such as yellow pine, cypress, etc.)—Apply SWP in color selected by architect mixed in following proportions: 1 gallon SWP, 2 quarts pure raw linseed oil, 1 quart pure gum spirits of turpentine.

Second Coat—Apply SWP, mixed in following proportions: 1 gallon SWP, 3 pints pure gum spirits of turpentine.

Third Coat—Apply SWP mixed in following proportions: 1 gallon SWP, 1 quart pure raw linseed oil.

Note: Where two-coat work must be done for economy's sake, omit second coat.

Exterior Wood Surfaces (New)—Painted Finish

Alternative to Specification No. 9.

Where architect wishes to leave mixing of paint for use on exterior surfaces to the discretion of painting contractor, it is recommended that Sherwin-Williams Zilo be specified, in preference to straight White Lead. Zilo contains a percentage of Zinc Oxide, which adds to whiteness, reduces chalking, improves gloss, and spreading power of paint. The United States Government and majority of the States require a percentage of Zinc Oxide in their paints.

Specification No. 10—Sherwin-Williams will supply accurate specifications for the use of Zilo on particular jobs upon application.

White Lead

Specification No. 11—On all work requiring the use of White Lead alone, specify Sherwin-Williams Old Dutch Process White Lead, which is a strictly pure white lead (lead carbonate) ground in pure linseed oil.

Exterior Wood Surfaces (Old)—Painted Finish

Specification No. 12—Before applying first coat of paint, surface shall be clean. Old cracked paint shall be wirebrushed or scraped, and if condition of surface is very bad, burning off the old paint may be necessary. Knots and pitchy places shall be sealed with orange shellac.

Note: Due to greater oil content in certain of the darker shades of SWP, two sets of specifications are required.

FOR GLOSS WHITE, AND COLORS 496, 462, 387, 479, 357 ONLY

Repainting Outside Surfaces Where the Old Paint Is Chalking and Weathering, but Otherwise in Fair Condition but Not Unusually Porous—**First Coat**—Apply SWP in the color selected by the architect, mixed in the following proportions: 1 gallon SWP, 1 to 2 quarts pure raw linseed oil, 1 pint pure gum spirits of turpentine. Do not apply second coat before first is perfectly dry.

Second Coat—Apply SWP mixed in the following proportions: 1 gallon SWP, 1 to 2 quarts pure raw linseed oil.

Repainting Where Old Paint Has Considerable Life, Such as Under Eaves, or Other Unexposed Surfaces—**First Coat**—Apply SWP in color selected by the architect mixed in following proportions: 1 gallon SWP, 3 pints pure gum spirits of turpentine.

Second Coat—Apply SWP mixed in the following proportions: 1 gallon SWP, 1 to 2 quarts pure raw linseed oil.

Repainting Outside Surfaces Which Have Not Been Painted for a Number of Years or Old Lumber Which Has Become Extremely Porous Through Exposure to the Weather for Years Without the Protection of Paint—**First Coat**—Apply SWP in color selected by the architect mixed in the following proportions: 1 gallon SWP, 1 gallon pure raw linseed oil, 1 pint pure gum spirits of turpentine.

Second Coat—Apply SWP mixed in the following proportions: 1 gallon SWP, 1 to 2 quarts pure raw linseed oil.

FOR ALL OTHER SHADES OF SWP

Repainting Outside Surfaces Where the Old Paint Is Chalking and Weathering but Otherwise in Fair Condition and Not Unusually Porous—**First Coat**—Apply SWP in color selected by the architect mixed in the following proportions: 1 gallon SWP, ½ pint pure raw linseed oil and 1 pint pure gum spirits of turpentine.

Repainting Outside Surfaces Where Old Paint Has Considerable Life Such as Under Eaves or Other Unexposed Surfaces—**First Coat**—Apply SWP in color selected by the architect mixed in the following proportions: 1 gallon SWP, 1 to 1½ pints pure gum spirits of turpentine.

Repainting Outside Surfaces Which Have Not Been Painted for a Number of Years or Old Lumber Which Has Become Extremely Porous Through Exposure to the Weather for Years Without the Protection of Paint—**First Coat**—Apply SWP in color selected by the architect mixed in the following proportions: 1 gallon SWP, 1 gallon pure raw linseed oil, 1 pint pure gum spirits of turpentine.

Second Coat—Apply SWP mixed in following proportions: 1 gallon SWP, 1 quart pure raw linseed oil.

Wood Surfaces (New)—Stained Finish

(For Staining Shingles, see Specification No. 15).

Where the architect desires to stain and preserve exterior wood surfaces, without hiding grain, Sherwin-Williams Preservative Shingle Stains are recommended.

Specification No. 13—The surface to be stained shall be clean and dry.

First Coat—Apply Sherwin-Williams Preservative Shingle Stain in color selected by the architect, in consistency supplied by manufacturer. Allow to dry.

Second Coat—Repeat first coat.

Stucco, Concrete or Cement Walls—Painted Finish

The painting of stucco, concrete, or cement walls is advisable because of the protection afforded. A properly painted stucco surface does not water-spot. Sherwin-Williams Stucco and Concrete Paint dries with a semi-sheen which does not destroy the texture of a stucco surface, as does a gloss paint.

Specification No. 14—The surface shall be dry, and free from all dirt. Any salts or efflorescence on the surface shall be scraped off, and the surface washed with a solution of zinc sulphate (1½ to 2 pounds to the gallon of water) and allowed to dry thoroughly.

First Coat—Apply Sherwin-Williams Stucco and Concrete Paint in color selected by the architect thinned with Sherwin-Williams Stucco and Concrete Paint Reducer in the proportions of 2 quarts of reducer to a gallon of the paint. Allow at least 48 hours to dry.

Second Coat—Apply Sherwin-Williams Stucco and Concrete Paint in the consistency supplied by manufacturer.

Wooden Shingles (New)—Stained Finish

Sherwin-Williams Preservative Shingle Stains are recommended because of their light-fast color, and the fact that they contain a creosote oil, which preserves the surface on which applied.

Two coats are required: first a dip and second a brush coat.

Specification No. 15—**First Coat**—(Dip Coat)—Dip the shingles two-thirds of their length in Sherwin-Williams Preservative Shingle Stain in color selected by the architect and throw into loose piles to dry.

Second Coat—(Brush Coat)—After the shingles have been laid, apply Sherwin-Williams Preservative Shingle Stain in consistency supplied by manufacturer.

SWP

SHERWIN-WILLIAMS PAINT PREPARED

Suitable
Trimmers

Gloss
White
353
363

Pearl
Gray
479



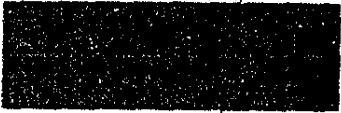
Suitable
Trimmers

Slate
363

360
Gloss
White
357

Gloss
White
363
360

Light
Lead
353



Blue
369

For
Porch
Ceilings
etc.

393
484
360

Cream
462



Silver
Gray
357

Gloss
White
363
486
353

461
486
393

Ivory
496



Cream
Gray
360

363
Gloss
White
393
496

Gloss
White
461
486

Canary
Yellow
387



Apple
Green
460

461
Gloss
White
496

461
Gloss
White
393

Colonial
Yellow
375



Willow
Green
461

496
460
462

393
486
360

Golden
Yellow
470



French
Crown
Green
Med.
362

375
387
393

Golden
Brown
486



Bottle
Green
484

Trim
and
Sash

375
387
462
360

Tobacco
Brown
393



Red
367

357
353
496
Very
durable
for
brick
work

Please do not detach samples. Complete color cards sent upon request.

PAINTING AND STAINING OF EXTERIOR SURFACES (Continued)

Metal Roofs—Painted Finish

Here the architect has a choice between finishing with Metalastic (Specification No. 1) or with SWP (Specification No. 9). SWP affords a wide range of colors to harmonize with other parts of job. Metalastic is less expensive but is made in a more limited color range. Two coats are required, and if surface is galvanized, a priming coat is necessary, making three in all.

Specification No. 16—All rust, dirt, and other foreign matter shall be cleaned from surface to be painted.

Prime Coat—(For galvanized iron only)—Apply Sherwin-Williams Galvanized Iron Primer in accordance with Specification No. 60.

First Coat—Apply Sherwin-Williams Metalastic in consistency supplied by manufacturer, or apply SWP mixed as follows: 1 gallon SWP, 3 pints pure spirits of turpentine. Allow to dry thoroughly before re-coating.

Second Coat—Apply Sherwin-Williams Metalastic in the consistency supplied by manufacturer, or apply SWP mixed as follows: 1 gallon SWP, 1 quart pure raw linseed oil.

Exterior Woodwork—Stained and Varnished Finish

Where exterior woodwork is to be stained and varnished, the use of Sherwin-Williams Oil Stain is recommended. This stain can be immediately covered with the varnish, omitting a sealing coat of shellac, which it is well to avoid on exterior work since it is not sufficiently elastic to withstand the expansion and contraction produced by temperature changes.

Specification No. 17—All woodwork shall be dry and clean. Nails or nailholes shall be treated so as to make them unnoticeable.

First Coat—Apply Sherwin-Williams Oil Stain in the shade selected by the architect. If a lighter shade than furnished is desired, wipe off with soft cloth before completely dry. Allow to dry thoroughly.

Note: Open grain woods require filling. For this purpose use Sherwin-Williams Paste Wood Filler, which is furnished in paste form, and must be reduced to brushing consistency with benzine. Apply to the wood, after first stain coat has dried 48 hours, and when filler has partly set, wipe off across the grain with burlap. Later wipe clean with a soft cloth. Allow 24 hours for filler to dry.

Second Coat—Apply Sherwin-Williams Rexpax Varnish, mixed as follows: 1 gallon Rexpax, 1 pint pure spirits of turpentine. Allow to dry thoroughly. Sand lightly with 00 sandpaper.

Third Coat—Apply Sherwin-Williams Rexpax Varnish in the consistency supplied by manufacturer. Allow to dry thoroughly. Sand lightly.

Fourth Coat—Apply Sherwin-Williams Rexpax Varnish in the consistency supplied by manufacturer. Leave with gloss finish, or, if dull finish is desired, specify "When dry, rub to a dull finish with pumice-stone and water."

Note: Sherwin-Williams Oil Stains, Rich Mahogany and Brown Mahogany, require the use of shellac sealer and are not recommended for

exterior use. Where Acid or Handcraft Stains are specified, a thin coat of shellac shall be applied in place of the first coat of Sherwin-Williams Rexpax Varnish.

Porch Floors and Canvas Decks (New)—Painted Finish

Sherwin-Williams Porch and Deck Paint is manufactured for this particular purpose. Drying with a tough, hard and elastic film, it is ideal for the rough wear that such surfaces must sustain, due to weather, and scuffing of feet.

Specification No. 18—Surface to be painted shall be clean and dry.

First Coat—Apply Sherwin-Williams Porch and Deck Paint in color selected by the architect, mixed as follows: 1 gallon Porch and Deck Paint, 1 quart pure spirits of turpentine.

Second Coat—Apply Sherwin-Williams Porch and Deck Paint in the consistency supplied by manufacturer.

Third Coat—Repeat second coat.

Note: If an old porch is to be repainted, the second coat may be omitted. If in exceptionally good condition, the first two coats may be omitted.

Porch Ceilings—Natural Varnish Finish

A spar varnish is recommended for all exterior surfaces to be varnished, due to the large proportion of oils it contains which results in greater elasticity.

Specification No. 19—Surface to be finished shall be clean and dry.

First Coat—Apply Sherwin-Williams Rexpax Varnish thinned as follows: 1 gallon Rexpax, 1 pint pure spirits of turpentine. Allow 48 hours to dry. Sand lightly.

Second Coat—Apply Rexpax in consistency supplied by manufacturer. Allow 48 hours to dry. Sand lightly.

Third Coat—Apply Rexpax as supplied by manufacturer.

New Wood and Metal Surfaces—Enamel Finish

For an exterior enamel finish, the recommendation is unreservedly Sherwin-Williams Old Dutch Enamel. This is a full oil enamel, containing a large percentage of specially treated oil, which adds to its life. Leading railroads have used Old Dutch for their coaches for years because of its durability.

Specification No. 20—Surface to be finished shall be clean and dry. If galvanized, it shall be coated with Sherwin-Williams Galvanized Iron Primer (see Specification No. 60). Pitchy spots on wood shall be sealed with pure orange shellac.

First Coat—Apply SWP Flat White, reduced in the proportion of 1 pint of raw linseed oil and 1 pint of pure spirits of turpentine to the gallon of paint. Allow to dry thoroughly.

Second Coat—Apply SWP Flat White just as it comes in the can.

Third Coat—Apply Sherwin-Williams Old Dutch Enamel and SWP Flat White mixed in equal parts.

Fourth Coat—Apply Sherwin-Williams Old Dutch Enamel in the consistency supplied by manufacturer.

FINISHING OF INTERIOR FLOORS

Floors get particularly severe wear. Therefore it is essential that the proper type of finish be applied in the right way, in order to insure satisfaction.

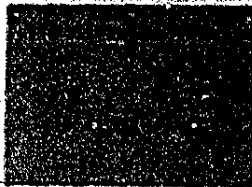
Preparation of the Surface—Whether the surface be wood or cement, it should be thoroughly clean and dry. A wood floor should be scraped, and swept clean, and it is well to wipe up the dust with a soft cloth dampened with gasoline. All spots should be removed.

Priming Coat—Under no conditions should a liquid filler or shellac be applied as a first coater on a wood floor that is to be varnished. A chain is no stronger than its weakest link, and the use of a liquid filler or shellac prevents the varnish from penetrating into the wood, and thus adhering tightly to surface. If a filler is necessary, a paste filler should be used.

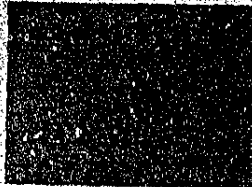
Staining and Filling Floors—The three woods most generally used in the United States for floors are oak and maple for hardwood floors, and edge-grain pine

for soft-wood floors. Pine and maple are both close-grain woods, and require no filler. Oak is an open-grain wood, and must be filled. In such cases use Sherwin-Williams Paste Filler, and thin it with benzine to consistency of thick cream. Brush it over surface, and allow to become partly dry; then wipe off across grain with burlap or excelsior; this forces filler into the pores; wipe clean with a soft cloth. It will be found that Sherwin-Williams Paste Wood Filler, Dark, has enough pigment to somewhat darken an oak floor, if that is desired. In staining maple or pine, specify Sherwin-Williams Oil Stains, as they require no shellac sealer, except for the two shades, Rich Mahogany and Brown Mahogany. In cases where these shades are used, such as on stair treads, a thin coat of pure white shellac, reduced with an equal quantity of denatured alcohol, should be applied after stain has dried, before applying any varnish coats.

SHERWIN-WILLIAMS STUCCO AND CONCRETE PAINT



Coral Tint



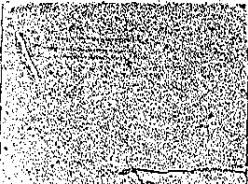
Cream



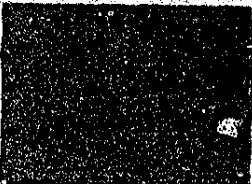
Tan



Cream Gray



Canary Yellow



Sea Green



Terra Cotta



Gray

Complete color cards furnished upon request.

Also White

FINISHING OF INTERIOR FLOORS (Continued)

Finishing Floors—Sherwin-Williams Mar-not Fast-Dri Varnish is unreservedly recommended for floors. Its tough, hard film adheres well, resists moisture and hard wear, and looks well longer than other materials on the market.

New Hardwood Floors—Natural Varnished Finish

Specification No. 21—The floor shall be clean and dry, and all spots shall be removed.

First Coat—Apply Sherwin-Williams Mar-not Fast-Dri Varnish, thinned in the proportion of 1 pint of pure gum spirits of turpentine to 1 gallon of varnish. Allow to dry. Sand lightly with 00 sandpaper.

Note: If open-grain wood, before first coat apply Sherwin-Williams Transparent Paste Wood Filler, thinned with benzine. Wipe across grain when partially dry. Allow to dry 24 hours.

Second Coat—Apply Sherwin-Williams Mar-not Fast-Dri Varnish in consistency supplied by manufacturer. Allow to dry. Sand lightly.

Third Coat—Apply Sherwin-Williams Mar-not Fast-Dri Varnish in consistency supplied by manufacturer.

Note: If dull finish is desired, two methods are possible: (1) Add to specification the following words: "When dry, rub to a dull finish with pumice-stone and water." (2) Substitute for the third coat the following: "Apply Sherwin-Williams Mar-not Fast-Dri Varnish Satin Finish."

For Lacquer Specification, apply direct to THE SHERWIN-WILLIAMS Co.

New Hardwood Floors—Open-Grain Wood—Stained and Varnished Finish

Specification No. 22—The floor shall be absolutely smooth, clean, and dry.

First Coat—Apply Sherwin-Williams Paste Wood Filler, thinned with benzine, in the color selected by the architect. (Extra dark effects require special specifications which Sherwin-Williams will furnish upon application.) Allow to dry partially, and wipe off across grain with burlap or excelsior. Allow 24 hours to dry.

Second Coat—Apply Mar-not Fast-Dri Varnish, thinned in the following proportions: 1 pint of pure gum spirits of turpentine to 1 gallon of varnish. When dry, sand lightly with 00 sandpaper.

Third Coat—Apply Mar-not Fast-Dri Varnish in consistency supplied by manufacturer. When dry, sand lightly with 00 sandpaper.

Fourth Coat—Apply Mar-not Fast-Dri Varnish in consistency supplied by manufacturer.

Note: For dull finish, see note at end of Specification No. 21.

For Lacquer Specification, apply direct to THE SHERWIN-WILLIAMS Co.

New Hardwood Floors—Close-Grain Wood—Stained and Varnished Finish

Specification No. 23—The floor shall be absolutely smooth, clean, and dry.

First Coat—Apply Sherwin-Williams Oil Stain in the color selected by the architect. Allow to dry for 24 hours.

Note: For extra dark effects, apply for special directions to THE SHERWIN-WILLIAMS Co. If Rich Mahogany or Brown Mahogany are used, when dry, apply a thin coat of pure white shellac, thinned with an equal quantity of denatured alcohol.

Second Coat—Same as Specification No. 22.

Third Coat—Same as Specification No. 22.

Fourth Coat—Same as Specification No. 22.

Note: For Lacquer Specification, apply direct to THE SHERWIN-WILLIAMS Co.

New Hardwood Floors—Natural Waxed Finish

Specification No. 24—The floor shall be absolutely smooth, clean, and dry.

First Coat—If of open-grain wood, apply Sherwin-Williams Transparent Paste Wood Filler as specified in Specification No. 22. If close-grain wood is used, omit this operation.

Second Coat—Apply Sherwin-Williams Floor-Seal. Allow to dry and sand lightly with 00 sandpaper.

Third Coat—Apply Sherwin-Williams Prepared Wax, and polish with weighted brush or polishing machine.

Fourth Coat—Repeat third coat.

New Hardwood Floors—Open-Grain Wood—Stained and Waxed Finish

Specification No. 25—The floor shall be absolutely smooth, clean, and dry.

First Coat—Apply Sherwin-Williams Paste Wood Filler in color selected by the architect, thinned with benzine. When partially dry, wipe off across the grain with burlap. Allow to dry 24 hours.

Note: For extra dark effects, apply for special instructions to THE SHERWIN-WILLIAMS Co.

Second Coat—Same as Specification No. 24.

Third Coat—Same as Specification No. 24.

Fourth Coat—Same as Specification No. 24.

New Hardwood Floors—Close-Grain Wood—Stained and Waxed Finish

Specification No. 26—The floor shall be absolutely smooth, clean, and dry.

First Coat—Same as Specification No. 23.

Second Coat—Same as Specification No. 24.

Third Coat—Same as Specification No. 24.

Fourth Coat—Same as Specification No. 24.

FINISHING OF INTERIOR FLOORS (Continued)

New Softwood Floors—Stained and Varnished Finish

Specification No. 27—The floor shall be absolutely smooth, clean, and dry.

First Coat—Apply Sherwin-Williams Flo-lac in shade selected by architect, thinned in the proportion of 1 pint of pure gum spirits of turpentine to 1 gallon of Flo-lac.

Note: If a deeper tone is desired, repeat this coat.

Second Coat—Apply Mar-not Fast-Dri Varnish in consistency supplied by manufacturer. Allow to dry, and sand lightly with 00 sandpaper.

Third Coat—Apply Mar-not Fast-Dri Varnish in consistency supplied by manufacturer.

For Lacquer Specification, apply direct to THE SHERWIN-WILLIAMS CO.

New Softwood Floors—Painted Finish

Specification No. 28—The floor shall be absolutely smooth, clean, and dry.

First Coat—Apply Sherwin-Williams Floor Enamel in color selected by architect, thinned in the proportion of 1 pint of pure gum spirits of turpentine to 1 gallon of Floor Enamel. Allow to dry thoroughly.

Second Coat—Apply Sherwin-Williams Floor Enamel in consistency supplied by manufacturer.

Third Coat—Repeat second coat.

For Lacquer Specification, apply direct to THE SHERWIN-WILLIAMS CO.

New Cement Floors—Painted Finish

Specification No. 29—The floor shall be properly drained, be free from alkali, dust, dirt, and other foreign matter, and absolutely dry.

First Coat—Apply Sherwin-Williams Floor Enamel thinned as follows: 1½ pints pure raw linseed oil, 1 pint pure gum spirits of turpentine, 1 gallon Floor Enamel.

Second Coat—Apply Sherwin-Williams Floor Enamel in consistency supplied by manufacturer.

Third Coat—Repeat second coat.

Note: Where strictest economy is necessary, third coat may be omitted, but three coats will wear better and are recommended.

Finishing of Schoolroom and Gymnasium Floors, and Other Floors Subjected to Especially Hard Wear

The floors of schoolrooms, department stores, gymnasiums, etc., receive such hard wear that it is frequently poor economy to give them a "surface" finish, such as that resulting from a varnish or a paint film. Sherwin-Williams Floor-Seal has been developed to meet this need—a real wood floor hardener, making the surface resistant to wear. Unlike boiled linseed oil, it does not collect dust or dirt, and does not discolor the floor.

Specification No. 31—Surface to be treated shall be clean and dry.

First Coat—Apply Sherwin-Williams Floor-Seal in consistency supplied by manufacturer.

Finishing of Ballroom Floors

This problem presents special difficulties, because the surface must be very smooth, must wear well, and be very elastic.

Specification No. 32—The floor shall be absolutely smooth, clean, and dry.

First Coat—Apply Sherwin-Williams Floor-Seal liberally with a brush. When dry, sand lightly with 00 sandpaper.

Second Coat—Apply Sherwin-Williams Prepared Paste Wax, and rub to a hard, polished surface with a weighted brush or polishing machine.

Third Coat—Repeat second coat.

Note: Before dancing, a small quantity of Sherwin-Williams Dancing Floor Wax (Powdered) may be sprinkled on the floor.

Hardwood Floors (Old) to Re-varnish

This specification is intended for floors where the finish only needs attention, but where the floor itself is in good condition. (If the floor itself is badly marred, it should be scraped and cleaned, after which follow recommendations for finishing a new floor.)

Specification No. 33—The floor shall be sanded smooth, to remove gloss of old finish. Then it shall be washed with Sherwin-Williams Flaxoap, rinsed thoroughly and allowed to dry. Stains and spots shall be removed with a solution of oxalic acid.

Note: If floor is too stained to permit of a clear varnish finish, the use of Sherwin-Williams Flo-lac Varnish Stain is recommended.

First Coat—Apply Sherwin-Williams Mar-not Fast-Dri Varnish, thinned in the proportion of 1 pint of pure gum spirits of turpentine to 1 gallon of varnish. Allow to dry and sand lightly with 00 sandpaper.

Second Coat—Apply Mar-not Fast-Dri Varnish in consistency supplied by manufacturer.

Note: If old finish is in such bad condition that sanding does not smooth it out, and if floor itself is still in good shape, it is wise to remove the old finish entirely by using Sherwin-Williams Taxite. Then clean the floor with a cloth soaked in benzine, and allow to dry. Proceed then with first coat.

Discolored Hardwood and Softwood Floors—Grained, Stained, and Varnished Finish

Specification No. 34—The floor shall be thoroughly scrubbed with Sherwin-Williams Flaxoap (a 100% pure linseed oil soap) and water, and allowed to dry thoroughly.

First Coat—Apply Sherwin-Williams Flo-lac Ground Color. Allow to dry.

Second Coat—Grain the floor with Sherwin-Williams Graining Preparation, using also a steel graining comb, or old whisk broom or cloth, depending upon texture desired. Allow to dry.

Third Coat—Apply Sherwin-Williams Flo-lac Varnish Stain in consistency supplied by manufacturer. Allow to dry, and sand lightly.

Note: If a darker shade is desired, repeat this operation.

Fourth Coat—Apply Sherwin-Williams Mar-not Fast-Dri Varnish in the consistency supplied by manufacturer.

Old Floors—Painted Finish

Specification No. 35—The surface shall be washed with Sherwin-Williams Flaxoap and water, and allowed to dry thoroughly.

First Coat—Apply Sherwin-Williams Floor Enamel, thinned in the proportion of 1 pint of pure gum spirits of turpentine to 1 gallon of paint.

Second Coat—Apply Sherwin-Williams Floor Enamel in consistency supplied by manufacturer.

PAINTING AND DECORATING OF INTERIOR WALLS

THE SHERWIN-WILLIAMS CO. has developed a complete line of interior wall finishes, to meet all requirements for gloss, semi-gloss, or flat finishes, textured or otherwise, on plaster, composition or wooden walls, as well as concrete or brick.

If there are special requirements not mentioned in the following specifications, apply direct to THE SHERWIN-WILLIAMS CO., Department of Architectural Service, Cleveland, Ohio.

Smooth, Sand Finish and Textured Plasters, Composition Board, Canvas Covered Walls—Washable Flat Finish

Specification No. 36—The surface to be finished shall be clean and dry.

First Coat—Apply Sherwin-Williams Wall Primer and Sealer as recommended in Specification No. 40, except on porous composition boards use Sherwin-Williams Tri-Seal, Specification 40X. Allow to dry at least 24 hours.

Second Coat—Apply Sherwin-Williams Flat Tone in consistency supplied by manufacturer.

Note: If a third coat is to be used, the addition of two quarts of Wall Primer and Sealer to the gallon of Flat Tone for second coat will present a tighter and more improved surface on which to apply third coat. In the interests of economy, two coats may be sufficient.

Specification—Repainting—Remove all soot, grease, dirt, or loose paint. Apply Sherwin-Williams Wall Primer and Sealer to the bare patches. Allow to dry. Then apply Sherwin-Williams Flat Tone as supplied by manufacturer.

Specification—Repainting—Remove all soot, grease, dirt, or loose paint. Apply Sherwin-Williams Wall Primer and Sealer to the bare patches. Allow to dry. Then apply Sherwin-Williams Flat Tone as supplied by manufacturer.

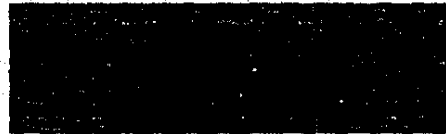
Smooth, Sand Finish and Textured Plasters, Composition Board, Canvas Covered Walls—Satin-Glo Finish

Sherwin-Williams Satin-Glo is a beautiful washable wall finish that dries with a sheen between that of Sherwin-Williams Flat Tone and Semi-Lustre.

SHERWIN-WILLIAMS STAINS



Walnut Handcraft Stain
On Birch (White)



Silver Gray Handcraft Stain
On White Quartered Oak



Nut Brown Handcraft Stain
(Formerly Brown Oak)
On White Quartered Oak



Extra Dark Mahogany Handcraft Stain
On Gumwood



Dark Oak Oil Stain (For New Wood)



Walnut Oil Stain (For New Wood)

Complete color cards furnished upon request.

PAINTING AND DECORATING OF INTERIOR WALLS (Continued)

Satin-Glo flows out to a smooth velvety finish, has good covering and can be recoated or glazed without the expense of resealing the surface.

Specification No. 36X—The surface to be finished should be clean and dry.

First Coat—Apply Sherwin-Williams Wall Primer and Sealer as recommended in Specification No. 40, except on porous composition boards use Sherwin-Williams Tri-Seal according to Specification No. 40X. Allow to dry at least 24 hours.

Second Coat—Apply Sherwin-Williams Satin-Glo in the consistency supplied by the manufacturer.

Note: If a third coat is to be used, repeat second coat.

Specification—Repainting—Remove all soot, grease, dirt or loose paint. If the surface is porous, apply a coat of Wall Primer and Sealer. If not, apply Wall Primer and Sealer to all bare spots. Then apply Sherwin-Williams Satin-Glo in the consistency supplied by the manufacturer.

Smooth, Sand Finish and Textured Plasters, Composition Board, Canvas Covered Walls—Semi-Lustre Finish

Sherwin-Williams Semi-Lustre has a soft, mellow lustre, and is recommended for those surfaces where a more durable and washable finish is desired than possible with a flat wall paint, but where a high gloss is not desired.

Specification No. 36Y—The surface to be finished shall be clean and dry.

First Coat—Apply Sherwin-Williams Wall Primer and Sealer as recommended in Specification No. 40, except on porous composition boards use Sherwin-Williams Tri-Seal, Specification No. 40X. Allow to dry at least 24 hours.

Second Coat—Apply Sherwin-Williams Semi-Lustre in the consistency supplied by manufacturer.

Note: If a third coat is to be used, repeat the operation.

Specification—Repainting—Remove all soot, grease, dirt, or loose paint. If surface is porous, apply a coat of Wall Primer and Sealer. If not, apply Wall Primer and Sealer to bare spots. Allow to dry. Then apply Semi-Lustre in the consistency supplied by manufacturer.

New Walls—Rough or Smooth Plaster, Canvas Covered Walls, or Plaster Board—Flat-Tone Multi-Color Effects

The use of Multi-Color Effects allows the decorator an endless variety of color and texture effects, by use of a sponge stipple.

For samples of various effects, and specific instructions, apply direct to THE SHERWIN-WILLIAMS CO.

Specification No. 37—Proceed with finishing the wall, as recommended in Specification No. 36, using, as second coat, the foundation color desired for effect to be produced.

First Stipple Coat—When the foundation coat is dry, apply a stipple coat of Flat Tone in color selected by the architect, in consistency supplied by manufacturer, using the flat surface of a sponge, and tapping the sponge directly on the surface, being careful not to twist or turn it.

Second Stipple Coat—Repeat this process with another color if a two-color stipple is desired. It is not necessary for first stipple coat to dry before second is applied.

New Walls (Glazed or "Tiffany" Effects)—Rough or Smooth Plaster, Canvas Covered Walls, or Wall Board—Flat-Tone System Finish

Flat-Tone System allows for glaze effects over a foundation of either Flat-Tone or Semi-Lustre, or Heavy Body Wall Paint No. 96, as mentioned in Specification No. 41.

Specification No. 38—Proceed with finishing the wall as recommended in Specification No. 36 (Flat-Tone), Specification No. 36Y (Semi-Lustre), or Specification No. 41 (No. 96 Heavy Body Wall Paint), using as second coat the foundation color desired.

First Glaze Operation—Coat a portion of wall with Sherwin-Williams Flat-Tone Glazing Liquid, tinted to color selected by architect.

Second Glaze Operation—Stipple this with a crumpled cloth, twisting the cloth after it is applied to the wall. Shade it lighter towards the top.

Note: For samples of glaze effects, and for specific instructions, apply to THE SHERWIN-WILLIAMS CO.

PAINTING AND DECORATING OF INTERIOR WALLS (Continued)

Wall Primer and Sealer

Sherwin-Williams Wall Primer and Sealer is a penetrating wall sealer, which is effective in stopping suction on all new wall surfaces, except on porous composition boards, on which apply Sherwin-Williams Tri-Seal, Specification 40X. It contains a percentage of pigment which gives it a certain covering capacity, and is therefore recommended for two-coat wall work.

Specification No. 40—Wall to be finished shall be clean and dry.

First Coat—Apply Sherwin-Williams Wall Primer and Sealer in the consistency supplied by the manufacturer.

Note: If surface is sized muslin, Sanitas, primed metal, or a hard and tight putty-coat plaster, add an equal part of either Sherwin-Williams Flat-Tone, Semi-Lustre, or No. 96 Wall Paint to first coat.

Second Coat—After the first coat has dried at least 24 hours, it shall be inspected, and if any flat spots appear, as result of incomplete sealing, they shall be coated with Sherwin-Williams Wall Primer and Sealer.

Special Note: Painting Newly Plastered Surfaces: THE SHERWIN-WILLIAMS Co. never advocates painting plastered walls which have not been given an opportunity to dry out thoroughly. If "green" plastered walls are painted, there is always danger. However, there are certain occasions where walls which have not been given sufficient time to dry out thoroughly must be painted for commercial reasons; apply one coat Wall Primer and Sealer. Where indications point to presence of alkali (hot spots), we recommend washing surface with a solution of 1½ to 2 pounds of zinc sulphate in a gallon of water.

This should be brushed on surface and sufficient time should then be allowed for drying before first coat of Sherwin-Williams Wall Primer and Sealer is applied. We, of course, do not guarantee that this procedure will prevent dissolving of finish nor that it will not peel. This danger is always present when "green" plaster must be painted.

Tri-Seal

Sherwin-Williams Tri-Seal is a first-coater for porous composition boards such as Masonite, Celotex, etc. (Not to be used on plaster, brick, tile, concrete, etc., for which surfaces use Sherwin-Williams Wall Primer and Sealer, Specification No. 40.)

While the ordinary first-coater covers only from 50 to 75 square feet on porous composition boards, Sherwin-Williams Tri-Seal will cover from 150 to 175 square feet per gallon.

Specification No. 40-X—**First Coat**—Apply Sherwin-Williams Tri-Seal as it comes from the package.

Second Coat—After the first coat has dried at least 24 hours, it shall be inspected and if any flat spots appear as a result of incomplete sealing they should be recoated with Tri-Seal before applying the finishing coat.

Wall Paint No. 96 (Heavy Body)

This is a flat finish paint with added pigment to make it extremely heavy-bodied. Can be used to produce textured effects, pebbled, brush stipple, etc. Covers and hides well.

Specification No. 41—Surface to be finished shall be clean and dry.

First Coat—Apply Sherwin-Williams Wall Primer and Sealer as recommended in Specification No. 40, except on porous composition boards, on which apply Sherwin-Williams Tri-Seal, Specification 40-X.

Second Coat—Apply Sherwin-Williams No. 96 Wall Paint as supplied by manufacturer, stippled or textured.

Note: For specifications for special effects, apply direct to THE SHERWIN-WILLIAMS Co.

Enamelastic Finish for Walls

Sherwin-Williams Enamelastic is a full oil enamel, exceptionally easy-working, with high covering and staying qualities.

Specification No. 42—Wall to be finished shall be clean and dry.

First Coat—Apply Sherwin-Williams Wall Primer and Sealer as in Specification No. 40, except on porous composition boards, on which apply Sherwin-Williams Tri-Seal, Specification 40-X.

Second Coat—Apply Sherwin-Williams XXX Undercoater reduced with 1 pint pure turpentine and 1 quart Enamelastic to the gallon of Undercoater.

Third Coat—Apply Sherwin-Williams Enamelastic (Gloss or Satin Finish) reduced with ¼ pint pure turpentine to the gallon of Enamelastic.

Note: For two-coat work, if desired in the interests of economy, omit the second coat. Three-coat work is recommended wherever possible.

Metro-Namel Finish for Walls

Sherwin-Williams Metro-Namel is an easy working, good flowing, economical interior Enamel.

Specification No. 42-Y—Same as Specification No. 42 except use Metro-Namel Undercoater and Metro-Namel.

Old Dutch Enamel Finish

Recommended for the very finest, highest grade enamel finish possible.

Specification No. 43—Follow Specification No. 42, substituting Old Dutch Enamel for Enamelastic. For four-coat specification, apply to THE SHERWIN-WILLIAMS Co.

New Walls—XXX Enamel Undercoater

An enamel undercoater with remarkable covering capacity, which in addition seals the surface tight.

Specification No. 44—Follow Specification No. 42.

Keene's Cement—Enamel Finish

Specification No. 45—Follow Specification No. 42 or No. 43. For Lacquer Specification, apply direct to THE SHERWIN-WILLIAMS Co.

Interior Brick, Tile, or Concrete Walls—Painted Dull Finish

Specification No. 46—Follow Specification No. 36, No. 41 or No. 42.

Save-Lite for Mill Walls

Save-Lite is furnished in three types: Gloss, Eg-Shell, and Flat. The Eg-Shell is the standard recommendation, although certain conditions require a gloss finish while certain damp conditions require a flat finish, where the porosity allows dampness to come through without cracking the finish.

Specification No. 47—Walls shall be clean and dry.

First Coat—Apply Sherwin-Williams Wall Primer and Sealer as in Specification No. 40, except on porous composition board, on which apply Sherwin-Williams Tri-Seal, Specification 40-X.

Second Coat—(Brushing) Apply Sherwin-Williams Save-Lite in the consistency supplied by manufacturer. (If reduction is necessary, add a slight amount of S-W Save-Lite Reducer No. 74.)

Third Coat—(Brushing) Apply Save-Lite in consistency supplied by manufacturer.

Note: If spray application is to be used, one coat will probably be sufficient. For spraying, thin the Save-Lite with Save-Lite Reducer No. 74 in the proportion from 1 pint to 1 quart of Reducer to the gallon of Save-Lite.

Interior Walls and Ceilings—Save-Lite Fume-Resisting White Finish

A special material which resists action of sulphur and other acid fumes without turning color badly. Furnished in same three degrees of gloss as Sherwin-Williams Save-Lite, mentioned in Specification No. 47.

Specification No. 48—Follow Specification No. 47, except that instead of using S-W Save-Lite, specify Sherwin-Williams Save-Lite Fume-Resisting White, Flat, [Semi-Gloss] [Gloss].

New Plaster Walls—Water Paint Finish

Specification No. 49—Wall shall be clean and dry.

First Coat—Apply Sherwin-Williams Wall Primer and Sealer reduced sufficiently with turpentine or mineral spirits to simply seal the surface. This will vary according to the porosity of the plaster but the average surface will be sealed for satisfactory calcimining when Wall Primer and Sealer is reduced with two quarts of turpentine or mineral spirits to the gallon.

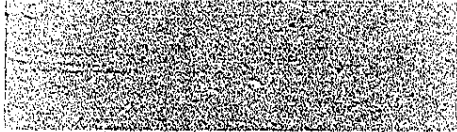
Second Coat—Apply Sherwin-Williams Decotint (a cold water calcimine) or Sherwin-Williams Kalso (a hot water calcimine) in shade selected by architect. Mix with water according to directions on package.

Walls Previously Finished With an Oil Paint—Washable Flat Painted Finish

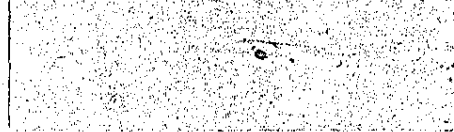
Specification No. 50—All cracks or holes must be patched with plaster or plaster of Paris, and sanded smooth. All dirt and grease shall be removed and wall shall be clean and dry. Then follow repaint directions in Specification No. 36, or Specification No. 41.

SHERWIN-WILLIAMS *FLAT-TONE*

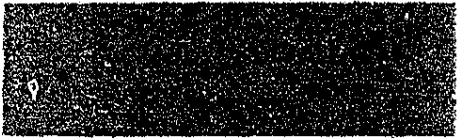
Ivory



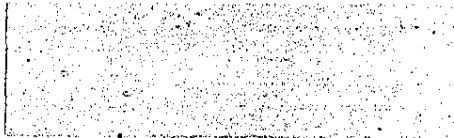
Caen Stone



Pale Green



Ivory Tan



Silver Gray



Sky Blue

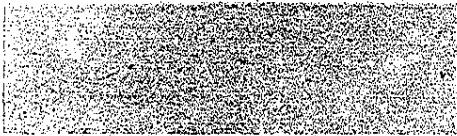


Olive Tan

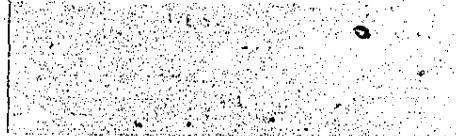
Buff

SHERWIN-WILLIAMS *SEMI-LUSTRE*

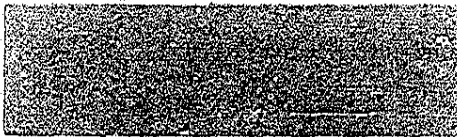
Canary Yellow



Ivory White



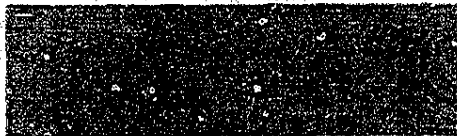
Cream Gray



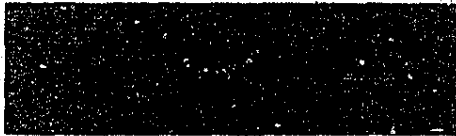
Poudre Blue



Buff



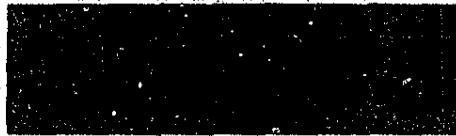
Taupe (New)



Pale Green



Bright Sage



Please do not detach color samples. Color cards sent upon request.

FINISHING OF INTERIOR WOOD TRIM

The decorative value of properly finished woodwork is important. So many effects are possible, and so many materials may be used, that the following specifications have been designed to give the best information in the simplest manner. Any special problems should be referred to THE SHERWIN-WILLIAMS Co.

In order to differentiate readily between open-grain and close-grain woods, so that architects may know which of these woods require paste wood filler in the finishing process and which do not, a list of the better known American building woods under each type is given hereunder:

Open-Grain Woods			
Ash	Chestnut	Mahogany	Rosewood
Butternut	Elm	Oak	Walnut
		Hickory	
Close-Grain Woods			
Basswood	*Cherry	Hemlock	Redwood
Beech	Cypress	Maple	Spruce
*Birch	Fir	Pine	Sycamore
Cedar	Gumwood	Poplar	Whitewood

*Will take a paste filler where desired to emphasize the grain.

Stains—THE SHERWIN-WILLIAMS Co. manufactures three types of stains—Oil Stains, Handcraft Stains (Spirit Penetrating), and Acid Stains. Oil Stains are recommended for all exterior work and floors. Handcraft Stains should be used for all other purposes. Acid Stains are made only in certain mahogany shades and are recommended where special depth of color is required. For recommendations for Acid Stains, apply to THE SHERWIN-WILLIAMS Co.

New Interior Open-Grain Woodwork—Stained and Varnished Finish

Specification No. 52—All woodwork shall be smooth, clean, and dry. Nailholes, cuts, cracks, etc., shall be treated so as to be unnoticeable.

First Coat—Apply Sherwin-Williams Stain in shade selected by architect.

Second Coat—Apply Sherwin-Williams Paste Wood Filler, in shade selected by architect, and wipe off across the grain with burlap or excelsior before the filler has dried. Allow to dry 24 hours.

Third Coat—Apply thin coat of pure white shellac (or Sherwin-Williams Marvelac), and when dry, sand lightly.

Fourth Coat—Apply Sherwin-Williams Scar-not Varnish in consistency supplied by manufacturer. Sand lightly.

Fifth Coat—Repeat fourth coat.

Note: If dull finish is desired, (1) Rub when dry to dull finish with pumice-stone and water; or (2) Substitute for last coat Sherwin-Williams Velvet Finish Varnish, No. 104.

New Interior Close-Grain Woodwork—Stained and Varnished Finish

Specification No. 53—Follow Specification No. 52, except that the second coat (Paste Filler) may be omitted.

New Interior Open-Grain Woodwork—Natural Varnish Finish

Specification No. 54—Surface shall be smooth, clean, and dry. Nailholes, cuts, cracks, etc., shall be treated so as to be unnoticeable.

First Coat—Apply Sherwin-Williams Transparent Paste Filler, and wipe off across the grain before dry. Allow to dry 48 hours.

Second Coat—Apply Sherwin-Williams Scar-not Varnish, thinned with 1 pint of pure turpentine to 1 gallon of varnish. Allow to dry and sand lightly.

Third Coat—Apply Sherwin-Williams Scar-not Varnish, supplied by manufacturer. Sand lightly when dry.

Fourth Coat—Apply Sherwin-Williams Scar-not Varnish in consistency supplied by manufacturer.

Note: If dull finish is desired, follow recommendations given in special note following Specification No. 52.

New Interior Close-Grain Woodwork—Natural Varnish Finish

Specification No. 55—Follow Specification No. 54, except that the first coat (Transparent Paste Filler) may be omitted.

New Interior Open-Grain Woodwork—Stained and Waxed Finish

Specification No. 56—Follow Specification No. 52, except that in place of Fourth and Fifth Coats, substitute the following:

Fourth Coat—Apply Sherwin-Williams Prepared Wax, wiping off the surplus, and bringing surface to a polish by hard, brisk rubbing.

Fifth Coat—Repeat fourth coat.

New Interior Close-Grain Woodwork—Stained and Waxed Finish

Specification No. 57—Follow Specification No. 56, except that the second coat (Paste Filler) may be omitted.

Interior Wood Trim—Old Dutch Enamel

Specification No. 58—Follow Specification No. 59, substituting Old Dutch Enamel for Enamelastic. For special five-coat specification, refer to THE SHERWIN-WILLIAMS Co.

Interior Wood Trim—Enamelastic Finish

Specification No. 59—Surface to be finished shall be free from dirt, grease, dust, and be absolutely smooth and dry.

First Coat—Apply Sherwin-Williams XXX Undercoater, reduced with 1 quart pure linseed oil and $\frac{1}{2}$ pint pure turpentine to the gallon of undercoater. Allow to dry thoroughly and sand lightly.

Note: On hardwoods, reduce with 1 pint each linseed oil and turpentine to the gallon of undercoater.

Second Coat—Apply Sherwin-Williams XXX Enamel Undercoater, reduced with 1 pint of pure turpentine to the gallon.

Note: Where greatest economy is necessary, this coat may be omitted.

Third Coat—Apply Sherwin-Williams Enamelastic and Sherwin-Williams XXX Enamel Undercoater, mixed in equal parts. Reduce each gallon of the mixture with 1 pint of pure turpentine. Allow to dry and sand very lightly with 0000 sandpaper.

Fourth Coat—Apply Sherwin-Williams Enamelastic, Gloss or Satin Finish, in consistency supplied by manufacturer.

Specification—Repainting—Wash with Sherwin-Williams Flaxoap and water so that surface is thoroughly clean. Allow to dry, and sand lightly. Then start with third coat, as specified above, and continue to end of specification.

Note: If surface is in bad condition, loose paint should be scraped off and bare spots coated with Sherwin-Williams XXX Enamel Undercoater, thinned with 1 quart of pure linseed oil and $\frac{1}{2}$ pint of pure turpentine to the gallon of undercoater.

Interior Wood Trim—Metro-Namel

Specification 59-B—Surface to be finished shall be free from dirt, grease, dust, and be absolutely smooth and dry.

First Coat—Apply Sherwin-Williams Metro-Namel Undercoater reducing each gallon with 1 pint raw linseed oil.

Second Coat—Apply equal parts Metro-Namel and Metro-Namel Undercoater reducing each gallon of the mixture with $\frac{1}{2}$ pint pure turpentine.

Third Coat—Apply Metro-Namel as it comes from the package.

Specification—Repainting—Wash with Sherwin-Williams Flaxoap and water so that the surface is thoroughly clean. Allow to dry, and sand lightly. Follow specifications above for second and third coats.

Note: If surface is in bad condition, loose paint should be scraped off and bare spots coated with Sherwin-Williams Metro-Namel Undercoater as in first coat above.

MISCELLANEOUS SPECIFICATIONS

Galvanized Iron Surfaces—Primed and Painted Finish

Palm Oil used in galvanizing metal many times affects paint applied to surface, causing it to peel and flake

off. Galvanized Iron Primer, as manufactured by THE SHERWIN-WILLIAMS Co., overcomes this difficulty.

Specification No. 60—The galvanized iron surface to be

MISCELLANEOUS SPECIFICATIONS (Continued)

finished shall be clean and free from dirt, rust, grease, acid, rosin, etc.

Note: The best way to clean the surface is to wash it thoroughly with a copper acetate solution consisting of about six ounces of copper acetate to 1 gallon of water. Surface must be dry before applying paint.

First Coat—(Priming Coat) Apply Sherwin-Williams Galvanized Iron Primer in consistency supplied by manufacturer.

Second Coat—The surface may now be painted with a regular oil paint, flat wall, or enamel finish, following regular directions for same.

Note: See Specification No. 6.

Radiators—Painted Finish

Tests made by the American Society of Heating and Ventilating Engineers show that paints containing bronze powders reduce the radiation of heat from radiators about 25%. On the other hand, paints made from zinc oxide or lithopone do not appreciably affect radiation.

Specification No. 61—Before painting, remove all dust and dirt from radiators by wire brushing. Remove any grease. Painting shall not be done when radiators are hot. Allow paint to dry before turning on heat. Be sure surface is completely dry before painting.

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ALBANY, N. Y., (W), Colonic & Montgomery Sts., 3rd Floor
(S), 480 Broadway Arcade
(S), 324 Central Avenue
ALTOONA, PA., (S), 1015-17 Green Street
AMARILLO, TEX., (S), Cor. 9th & Polk Streets
ASHTABULA, OHIO, (S), 4720 Main Street
ASHVILLE, N. C., (S), 76 Patton Avenue
ATLANTA, GA., (S), 233 Peachtree Street, N. E.
AUSTIN, TEX., (S), 817 Congress Avenue
BALTIMORE, MD., (W), Pratt & Green Streets
(S), 8 W. Fayette Street
BANGOR, ME., (W), 56 Post Office Square
BATON ROUGE, LA., (S), 149 Third Street
BEAUMONT, TEX., (S), 356 Fannin Street
BINGHAMTON, N. Y., (S), 162 Washington Street
BIRMINGHAM, ALA., (S), 2016 Third Avenue, No.
BOSTON, MASS., (O) & (W), 19-23 Pittsburgh Street
E. BOSTON, MASS., (F), 266 Border Street
BOUND BROOK, N. J., (F)
BRIDGEPORT, CONN., (S), 86 Cannon Street
BROWNSVILLE, TEX., (S), 1240 Elizabeth Street
BUFFALO, N. Y., (W), 37 Pearl Street
CANTON, OHIO, (S), 422-24 Tuscarawas Avenue, West
CEDAR RAPIDS, IOWA, (S), 216 Third Avenue, East
CHARLOTTE, N. C., (S), 424 So. Tryon Street
CHARLOTTE, N. C., (S), 434 Tryon Street
(W), 212 W. First Street
CHATTANOOGA, TENN., (S), 826-828 Broad Street
CHICAGO, ILL., (F) & (O), 115th St. & Cottage Grove
City (O), 333 No. Michigan Ave.
CINCINNATI, OHIO, (O) & (W), 418 Commercial Square
(S), Sixth & Main Streets
CLEVELAND, OHIO, (F), 601 Canal Road
(O), 101 Prospect Avenue, N. W.
COFFEYVILLE, KAN., Smelter
COLORADO SPRINGS, COLO., (S), 129 E. Bijou Street
COLUMBIA, S. C., (S), 1713 Main Street
COLUMBUS, GA., (S), 1038 Broadway
COLUMBUS, OHIO, (S), 60 E. Gay Street
CORPUS CHRISTI, TEX., (S), Cor. Peoples & Mesquite Streets
DALLAS, TEX., (O) & (W), 1621 Wall Street
(S), 301 No. Harwood Street
(S), 300 So. Beckley Street
DAVENPORT, IOWA, (S), 129 E. Second Street
DECATUR, ILL., (S), 366 No. Main Street
DENVER, COLO., (S), 1632 Arapahoe Street
DES MOINES, IOWA, (S), 923 Locust Street
DETROIT, MICH., (S), 134 Cadillac Square
(S), 9341 Grand River Avenue
(O) & (W), 1960 Milwaukee Avenue, E.
EL PASO, TEX., (S), 216 No. Stanton Street
EVANSVILLE, IND., (S), 211 Main Street
FT. WORTH, TEX., (S), 208 W. Third Street
GALVESTON, TEX., (S), 2127 Avenue F
GRAND RAPIDS, MICH., (W), 25 Ionia Avenue, S. W.
HARTFORD, CONN., (S), 230 Trumbull Street
HAVANA, CUBA, (O) & (F), Manzana de Gomez 347
HOUSTON, TEX., (W), 2108-12 Preston Avenue
(S), 1400 Main Street
HUNTINGTON, W. VA., (S), 1018 Fourth Avenue
INDIANAPOLIS, IND., (O) & (W), 318 W. Georgia Street
JACKSON, MISS., (S), 219 E. Capitol Street
JACKSONVILLE, FLA., (O) & (W), 2320 Liberty Street
(S), 23 W. Monroe Street
JOHNSON CITY, N. Y., (S), 256 Main Street
JOPLIN, MO., (S), 623 Main Street
KANSAS CITY, MO., (O) & (W), 1400 St. Louis Avenue
KNOXVILLE, TENN., (S), 314 So. Gay Street

First Coat—Apply Sherwin-Williams Metal Primer Gray, No. 76. Allow to dry.

Second and Third Coats—

(1) For a white finish, specify two coats of Sherwin-Williams Enameloid White.

(2) For a colored finish, specify two coats of Sherwin-Williams Enameloid in the color selected.

(3) For a flat finish, specify two coats of Sherwin-Williams Flat Tone in the color selected.

Note: Where Enameloid is used, it is recommended that it be thinned slightly with pure turpentine.

Metal Trim (Finished on the Job)—Enameled Finish

Specification No. 62—All metal trim to be finished on the job shall have received a coat of Sherwin-Williams Metal Trim Primer before leaving the shop. When installed, it shall be cleaned from dust, dirt, grease, etc., and sanded lightly with 00 sandpaper.

First Coat—Apply Sherwin-Williams Enameloid in color selected by architect, and in consistency supplied by manufacturer. Sand lightly when dry.

Second Coat—Apply Sherwin-Williams Enameloid in consistency supplied by manufacturer.

LEXINGTON, KY., (S), 337 E. Main Street
LITTLE ROCK, ARK., (S), 720 Main Street
LOS ANGELES, CALIF., (O) & (W), 3170 E. Pico Boulevard
LOUISVILLE, KY., (W), 226 So. Third Street
MANSFIELD, OHIO, (S), 9 Park Avenue, West
MEMPHIS, TENN., (S) & (W), 131 Union Avenue
MEXICO CITY, MEX., (2S), Apartado 2240 (Mail Address)
MIAMI, FLA., (S), 156 W. Flagler Street
MIAMI BEACH, FLA., 509 Collins Avenue
MILWAUKEE, WIS., (W), 1256 No. 10th Street
MINNEAPOLIS, MINN., (O) & (W), 701 Third Street, No.
MOBILE, ALA., (S), 12 So. Royal Street
MONROE, LA., (S), 109 Catalpa Street
MONTGOMERY, ALA., (S), 33 Commerce Street
NASHVILLE, TENN., (O) & (W), Cummins Station
(S), 5th Avenue & Union Street
NEWARK, N. J., (O) & (F), Brown Street & Lister Avenue
(S), 138 Washington Street
NEW HAVEN, CONN., (W), 441 Chapel Street
(S), 166 Temple Street
NEW ORLEANS, LA., (O) & (W), 970 Fulton Street
(S), 329 Baronne Street
NEW YORK, N. Y., (W), 52 Thompson Street
(O), 292 Madison Avenue
OAKLAND, CALIF., (O) & (F), 1450 Sherwin Avenue
OKLAHOMA CITY, OKLA., (W), 223 E. Grand Avenue
(S), 211 W. First Street
OMAHA, NEB., (W), Cor. Tenth & Dodge Streets
PENSACOLA, FLA., (S), 114 So. Palafox Street
PEORIA, ILL., (S), 318 So. Adams Street
PHILADELPHIA, PA., (O) & (W), Delaware & Chesnut Streets
PHOENIX, ARIZ., (W), 512 W. Jackson Street
PITTSBURGH, PA., (O) & (W), 55-56 Water Street
PORTLAND, ORE., (O) & (W), 1308 N. W. Everett Street
PROVIDENCE, R. I., (W), 64 Traverse Street
RICHMOND, VA., (S), 515 E. Grace Street
(O) & (W), 1315 E. Main Street
ROCHESTER, N. Y., (S), 53 State Street
SAGINAW, MICH., (W), 515 Genesee Avenue
SALT LAKE CITY, UTAH, (W), 53 West Broadway
SAN ANTONIO, TEX., (S), 135 W. Commerce Street
SAN FRANCISCO, CALIF., (W), 466 Second Street
SAVANNAH, GA., (W), 725 Wheaton Street
SCHENECTADY, N. Y., (S), 128 Jay Street
SEATTLE, WASH., (O) & (W), 1048 Sixth Avenue, So.
SIOUX CITY, IOWA, (W), 216 Pearl Street
SPARTANBURG, S. C., (S), 158 E. Main Street
SPOKANE, WASH., (W), 157 So. Post Street
SPRINGFIELD, ILL., (S), 512 E. Monroe Street
SPRINGFIELD, MASS., (S), 323 Bridge Street
ST. LOUIS, MO., (O) & (W), 515 Spruce Street
SYRACUSE, N. Y., (W), 214-16 W. Jefferson Street
(S), State Tower Building
TAMPA, FLA., (S), 713 Florida Avenue
Insecticide (W), Caesar & Conway Streets
TEXARKANA, TEX., (S), 309 Pine Street
TRENTON, N. J., (S), 119 E. Hanover Street
TULSA, OKLA., (W), 118 So. Cheyenne Avenue
TYLER, TEX., Cor. W. Erwin and Bois d'Arc Streets
UNIONTOWN, PA., (S), Penn. & Beeson Streets
WACO, TEX., (S), 720 Austin Street
WARREN, OHIO, (S), 137 So. Park Avenue
WASHINGTON, D. C., (O) 921 Munsey Building
WHEELING, W. VA., (S), 22 Twelfth Street
WICHITA FALLS, TEX., (S), 818 Scott Street
WORCESTER, MASS., (S), 24 Mechanics Street
YOUNGSTOWN, OHIO, (S), 271 W. Federal Street



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