

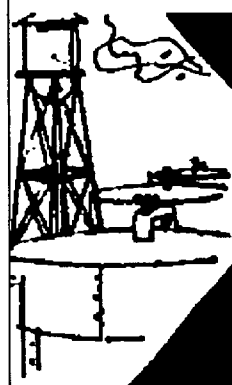


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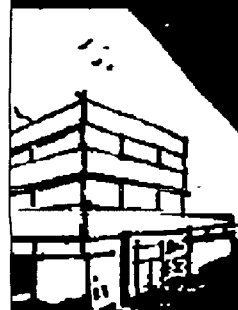


CONSTRUCTION - MAINTENANCE

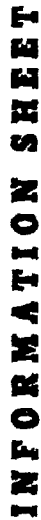
protective coatings

floor surfaces

specialty products



PLAINTIFF'S
EXHIBIT
FK-202



GENERAL OFFICE • THE FLINTGATE COMPANY, 30 ROCKEFELLER PLAZA, NEW YORK 30, N. Y.

PRODUCT COMPANY: JAH CHART

IMMEDIATE DISPOSITION

[illegible]

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NOTICE: The Recommendations for use of Flukon Products are based on tests believed to be reliable. However, since such use is beyond our control, we do not guarantee the results to be obtained.



INFORMATION SHEET

NUMBER
DATE

GENERAL OFFICE • THE EINKOTE COMPANY, 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

PRODUCT COMPANION CHART ADHESIVES AND COATINGS

	No. 70	No. 745	No. 716	No. 717	No. 718	No. 97A
Plintotype						
Poster		82-08	81-71	81-81	81-99	
Insulacoustic			201		225	

	No. 75	No. 200A	Lagging Adhesive Type I	Lagging Adhesive Type II	No. 231
Plintotype					
Poster	81-66	81-27 81-36 81-91	81-43	81-42	
Insulacoustic			130	140	

	Lagging Coating	Color- Coat			
Plintotype					
Poster	30-36	30-76 Eagstone			
Insulacoustic	102	110			

NOTE: The Recommendations for use of Einkote Products are based on tests believed to be reliable. However, since each use is beyond our control, we do not guarantee the results to be obtained.

200098

AIR CONDITIONING

<u>Product</u>	<u>Data Sheet</u>	<u>Applicable Specification</u>	<u>Description</u>
Ro. 716	294		Clear rubber cement for bonding insulation to duct surfaces.
No. 717	289		Reddish brown rubber cement for adhering air conditioning duct floors.
No. 718	295		Fire resistive clear rubber cement.
Atlas Insulation Adhesives	292		Heavy bodied resin adhesives for erecting rigid insulations on air conditioning ducts. High initial strength eliminates need for shoring.
No. 974	290		High strength neoprene adhesive for bonding and joint cementing flexible formed pipe insulation.
Lagging Adhesives Type I and II	293	MIL-A-3316-A Type II	Standard and Fire resistive grades of resin latex adhesives for insulation lagging.
Lagging Coating	288	MIL-A-3316-A Type I	Fire resistive heavy bodied coating for surfacing insulation. Provides clean, damage free surface.
Colorcoat	286		Pigmented heavy bodied fire resistive coating for decorative finishes.

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NUMBER 284
ISSUE Q-2-A

PRODUCT DATA

GENERAL OFFICES • THE FLINTKOTE COMPANY, 30 ROCKEFELLER PLAZA, NEW YORK 10, N. Y.

FLINTKOTE NO. 716

General purpose rubber cement - dried film is clear - used for bonding insulation to air conditioning ducts - also bonds wide variety of light weight materials.

GENERAL

Flintkote No. 716 is a thick consistency synthetic rubber cement which is used in the wet state for bonding to a clear translucent film. It provides excellent bonding properties for a wide variety of light weight materials. It is rapid drying for fast combining operations and retains a strong adhesive tack for delayed bonding.

The bond is clear, permanently flexible, water resistant and has excellent aging properties. Flintkote No. 716 is most resistant and is sufficiently strong to hold even heavy insulation without mechanical fasteners.

Flintkote No. 716 is particularly recommended for the air conditioning and sheet metal under to bond insulation duct liners to metal sheet work. The strong flexible bond permits application of the insulation to the metal sheets before forming into ducts. No. 716 can also be used for bonding laminate sheetrock and blankets to the exterior of duct work.

The nature of the surfaces involved in the bonding operation governs the best method of application and rate of coverage, also whether the adhesive is to be applied to one or both surfaces.

Exercise caution for flammability and use in well ventilated areas.

PHYSICAL PROPERTIES

Base - Synthetic Rubber.
Solids - 32% approx.
Color - Amber; dries clear.
Weight/yd. - 6.8 approx.
Consistency - Medium brush.
Application - Brush or roller.
Surfaces must be clean and

dry, free from oil and grease.

Brush: approx. 200 sq. ft. per gal.

Roller: approx. 250 sq. ft. per gal.

Covers whole surfaces and

Develops maximum bond in

10 - 15 seconds - retains

surface tack for periods up

to one hour.

If possible, satisfactory

working range from 45° and

up. Avoid high temperatures

because of flammability.

200° to 100° F.

Recommended for use

without dilution. If neces-

sary for workability, use

small amount of low boiling

solvents such as acetone

or white gasoline.

Flammable solvent. Do not

use near open flame. Store

away from heat and provide

adequate ventilation during

use.

Positive (viscosity) of adhesive

so that product is used as

soon as possible after

receipt. Stick on "first in-

line one" basis. For best

results this product is

recommended for use within

six months.

CONTAINERS

55-gallons, 5-gallons, 1-gallon.

200050

NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, since such use is beyond our control, we do not guarantee the results to be obtained.



PRODUCT DATA

ORIGINAL OFFICE • THE FLINTKOTE COMPANY, 80 ROCKEFELLER PLACE, NEW YORK 20, N. Y.

FLINTKOTE NO. 717

General purpose rubber and resin solvent cement - used for bonding insulation duct liners to air conditioning ducts - also a wide variety of lightweight materials to metal, wood, masonry, glass, rubber and many plastics.

GENERAL

Flintkote No. 717 is a versatile reddish brown reaction rubber-resin solvent adhesive which provides excellent bonding properties for a variety of light weight combining operations. It is rapid drying and is easily applied by spray, brush or roll coater. It cures satisfactorily without deterioration or harm from freezing temperatures.

This rubber base adhesive is fortified with resins to provide increased strength and relatively flexible bond having good resistance to impact, heat and water.

Flintkote No. 717 is widely used by the air conditioning and sheet metal trades to adhere insulation duct liners to metal duct work. The strong flexible bond which it develops permits the application of insulation to flat metal sheets before forming into ducts for maximum economy of fabrication. It is also used to bond demanding felt to metal surfaces of appliance and equipment cabinets as well as many other manufacturing operations where white materials must be bonded firmly and quickly without costly techniques and equipment.

The nature of the surfaces involved in the combining operation governs the best method of application and rate of coverage. Also whether the adhesive is to be applied to only one or to both surfaces.

Exercise caution for flammability and use in well ventilated areas.

CHARACTERISTICS

Application

Brush. Surfaces must be clean and dry, free from oil and grease.

Application Temperature

Apply at room temperature if possible. Satisfactory working range from about 45°F. and up. Avoid high temperatures because of flammability.

Viscosity - Dilution

About 100 cps. (Brookfield 77°F). Medium paint consistency. Recommended for use without dilution. If necessary for workability, use small amount of volatile spirits or kerosene and allow for slower drying rate.

Coverage

Depends on surfaces to be bonded. Usually about 1 gallon is required per 150 to 200 sq. ft. of coated surface.

Working period

Combine while surfaces are tacky - usually in about 10 to 25 minutes after application.

Color dried film

Reddish brown.

CAUTION

Flammable mixture. Do not use near open flame. Store away from heat and provide adequate ventilation during use.

Storage stability

Retain inventory of adhesive so that product is used as soon as possible after receipt. Stock on "First Out" basis. Store in cool place whenever possible. For best results this product is recommended for use within six months.

Net Weight per Gallon

Approximately 6.7 pounds.

Composition

55 gallons, 3 gallons, 1 gallon. 800031

NOTICE: The Recommendations for use of Flintkote Products are based on test believed to be reliable. However, since such use is beyond our control, we do not guarantee the results to be obtained.



NUMBER 295
ISSUE 42-A

PRODUCT DATA

GENERAL OFFICE • THE FLINTKOTE COMPANY, 30 ROCKEFELLER PLACE, NEW YORK 20, N. Y.

FLINTKOTE NO. 718

Fire retentive rubber cement - dried film is clear - used for bonding insulation to air conditioning ducts where maximum fire resistance is required.

GENERAL

Flintkote No. 718 is a brush consistency synthetic rubber cement which is light tan colored in the wet state but dries to a light tan/brown film. The adhesive is non-flammable in the wet state and the dried film is highly fire resistant. It provides excellent bonding for a wide variety of light weight materials. Flintkote No. 718 is fast drying and will develop a surface bond in a very short time, sufficient to hold most sections in place until adhesive dries. It maintains a surface bond for periods of up to one hour.

Flintkote No. 718 is recommended for the air conditioning and sheet metal ducts to bond insulation duct liners to metal duct work. The fire retentive dried film provides the maximum protection against flame propagation in finished duct assemblies.

Due to the presence of chlorinated solvents, Flintkote No. 718 should be used in open or well ventilated areas.

PHYSICAL PROPERTIES

Base - Synthetic Rubber.
Solvent - Chlorinated Solvent.
Solids - 32% approx.
Color - Light tan - dries tan/brown.
Weight per gal. - 11.5 approx.

Consistency - Application -

Medium brush.
Brush or roller.

Surfaces must be clean and dry, free from oil and grease.
brush 150 - 200 sq. ft. per gal.
roller 200 - 250 sq. ft. per gal.

Coverage -

Conditions while surfaces are tacky.
Develops surface bond in a few minutes - etched surfaces tack for periods up to one hour.

Working period -

Apply at room temperatures if possible.
Avoid high temperatures because of chlorinated solvent vapors.

Application -

Service temperatures - Minus 10°F to 200°F.
Directions and Clean Up -

CAUTION

Recommended for use without dilution. For clean up use Trichloroethylene or Toluene (if no fire hazard present).

Use in well ventilated areas. Avoid prolonged or repeated contact with skin.

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NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, since such use is beyond our control, we do not guarantee the results to be obtained.



NUMBER 279
ISSUE 61-D

PRODUCT DATA

GENERAL OFFICES • THE FLINTKOTE COMPANY, 30 ROCKEFELLER PLACE, NEW YORK 10, N. Y.

ATLAS INSULATION ADHESIVES

Solvent type, waterproof, resin base compounds for fastening light and medium weight insulation. Available in putty knife, trowel and brush consistencies.

PRODUCT DESIGNATIONS:

- No. 16 - Putty Knife Consistency
- No. 15 - Trowel Consistency
- No. 20 - Brush Consistency

GENERAL

Atlas Insulation Adhesives are especially prepared for fastening such insulation materials as fibrous glass and cork boards up to 2 inches thick without need for nailing or nailing. These adhesives have strong, immediate bond.

Atlas Insulation Adhesives are applied with notched spreader to the back surface of the insulation or, in some cases, brushed on the base surface. The insulation is then pressed firmly into position without disturbing the base in case it is thin metal.

All surfaces must be dry, clean and free from oil, grease and dust.

CHARACTERISTICS

Type: Waterproof, resin-base adhesive.

Consistency: Shorn and buttery.

Coverage: Depends on nature of surfaces.

Color: Tan

Odor

Mild

Flammability

Combustible - not red label.

Working Period

15 to 20 minutes.

Drying Time

Approximately 24 hours - see hand but not brittle.

Service Temperature

Up to 140°F. after adhesive has gained its set.

Water Resistance

Good

Method of Application

Spreader or trowel.

Alkali Resistance

Resistant to soap and mild cleaning compounds but not strong alkalis.

Weight Per Gallon

11 pounds.

Container Sizes

3 gallons, 1 gallon.

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NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, use such use is beyond our control, we do not guarantee the results to be obtained.



NUMBER 200
ISSUE 6-10

PRODUCT DATA

GENERAL OFFICE • THE FLINTKOTE COMPANY, 30 ROCKEFELLER PLACE, NEW YORK 20, N. Y.

FLINTKOTE NO. 974 ADHESIVE

A multi-purpose, synthetic rubber-resin solvent cement for use with a wide range of materials, including those having irregular surfaces. Develops high ultimate strength with flexibility of film.

Flintkote No. 974 is a Neoprene base adhesive cement suitable for application by brush, roll, trowel or sprayer. It has a good initial grab and can be used successfully to eliminate strains and cracking in many finishing operations. It dries to a flexible film which is resistant to color and discoloration.

This adhesive has good aging characteristics and also has a high degree of oil resistance, but it is not strictly an oilproof type. Flintkote No. 974 is suitable for bonding many types of materials such as steel, rubber, wood, leather, fabric, Bakelite, etc., to themselves or each other. It is not recommended for bonding vinyl materials containing softening plasticizers.

Flintkote No. 974 is an air curing type of cement, requiring no accelerator addition by the user. It has good storage stability in the container and excellent heat resistance of the adhesive film up to 250°F.

Methods of Curing

In the use of Flintkote No. 974, three possible methods of curing are suggested: Cold Bonding, Hot Bonding and Solvent Reactivation Bonding. The choice will depend upon the materials to be combined and handling conditions determined by production requirements. For especially porous materials, it may be desirable to apply more than one coat per surface to obtain sufficient cement at the glue line.

Cold Bonding

Flintkote No. 974 is applied to each of the surfaces to be joined and allowed to dry 5 to 20 minutes, depending upon atmospheric conditions. When the film is approximately tacky, the surfaces are joined and hand or mechanical pressure is applied.

Hot Bonding

Flintkote No. 974 is applied to each of the surfaces to be joined and allowed to dry until substantially tack free. A forced drying system may be employed to hasten solvent release. The two surfaces are then brought together in suitable equipment, the temperature at the adhesive line raised to about 250°F. for 30 seconds under an applied pressure of about 200 lbs. per sq. in.

Solvent Reactivation Bonding

A method used principally when delayed bonding is a factor in operations. Flintkote No. 974 is applied to each of the surfaces to be joined and allowed to dry thoroughly, either normally by air or by forced drying. Later, when the surfaces are to be bonded, they are wiped with Solvent No. 1 and immediately combined.

Flintkote No. 974 is to be applied only on surfaces that are dry, clean and free from dirt, grease, rust, loose paint and other foreign matter. This product is flammable; keep away from flames and apply in well ventilated areas. For best results apply at temperatures above 50°F.

(Over)

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NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, since each use is beyond our control, we do not guarantee the results to be obtained.

FLINTKOTE
INDUSTRIAL
PRODUCTS

GENERAL OFFICES • THE FLINTKOTE COMPANY, 30 ROCKWELL PLAZA, NEW YORK 10, N. Y.

ELINTKOTE LAGGING ADHESIVE

FLINTKROE LAGGING ADHESIVE

RESISTIVE GRADE COMPLIES WITH MIL-A-3316 TYPE II

remove grease, oil and dirt accumulations and can
 ... have for further painting.

GENERAL

GENERAL
Flintoth Lugging Adhesive is a white compounded latex adhesive of medium paint consistency suitable for adhering lagging fabric and papers to pipe and insulation. Its quick setting properties allow rapid installations with a wide variety of materials. Since Flintoth Lugging Adhesive is a water vehicle compound, clean-up is easily accomplished with water. *Apply before the adhesive dries.*

RECOMMENDED USES

RECOMMENDED USES

Plant installations where cleanliness is essential, such as breweries, food processing plants, dairies and dairy products plants, also, steam generating and utilities installations require an adhesive and coating such as Flintok's Legging Adhesive. The dried coating can be washed to

RECOVERY OF ELIMINATED LACING ADHESIVE

Type	Standard	Fire Retardant
Color	White	White
Volatiles Vehicle	Tar	Tar
Consistency	Medium Paste	Medium Paste
% Solids	55%	38%
Weight per gallon	12.6	9.3
Average Coverage Sq. Ft./Gal.	100	80
Drying Time @ 77° F	0 - 10 Minutes	0 - 10 Minutes
Bonding Time	3 - 4 Hours	3 - 4 Hours
Through Dry	50° F/175° F	50° F/175° F
Service Temperature	Bush, Dip, Spray	Bush, Dip, Spray
Application	Non-flammable Buna	Non-flammable Fire Retardant Type II
Flammability	Yes	Yes
Wet Film		
Dry Film		

Water
Toluene or Xylene
(Equal Social Order)

Toluene or Xylene
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Clean-up
Ver Film
Dried Film

NOTICE: The Recommendations for use of Flatlok Products are based on tests conducted to an acceptable level. However, since such use is beyond our control, we do not guarantee the results to be obtained.

**CHARACTERISTICS OF PLINKNOTE NO. 974
ADHESIVE**

Fielded Properties: Very durable over wide range of atmospheric temperatures and conditions. Good resistance to water and to solvents such as V.M.C. & P., Naphtha, mineral spirits etc. Poor resistance to higher solvents such as ketones and esters.	Application: Brush, roll coater, sprayer etc.
Dilution: Recommended for use without dilution. If necessary, see table in small amount.	

Coverage: Approximately 200 to 300 sq. ft. per barrel per coat depending on nature of surfaces.

Application Conditions: Surfaces should be clean and dry. Roughen to improve adhesion. Use in room temperature whenever possible.

Viscosity: About 1,350 cps. (Brookfield, 77°F.); use within 6 months.

Color Dried Filler: Semi-transparent, light tan. Container: 55 gallon, 5 gallons, 1 gallon.

ADHESIVE STRENGTH — (tested in shear with Scott Tensile Tester at 1 in./min.*)	SOLVENT			
	(1) COLD BONDING	(2) HOT BONDING	(3) REACTIVATION BONDING	
Plywood to Steel	305	619	123	
Canvas to Plywood	225	235	Canvas failed	
Rubber matting to Steel	237	—	150	
Steel to Steel	—	1,000	57	
Aluminum to Aluminum	—	885	111	
Batelite Board to steel	—	457	80	
Plywood to Plywood	510	—	—	

(1) Both surfaces brush coated, allowed to dry 15 wt. at room temp. Bond dried 24 hours before testing.

(2) Brush coated, dried 24 hrs. at room temp. Bonded at 210°F. temp. at 200 p.s.i. for 2 min. Cooked and tested immediately.

(3) Brush coated, dried 24 hours at room temp. Film reacticured with Solvesso No. 1 and dit dried 24 hours before testing.

* Results are average of 3 tests.

671

NUMBER 296
ISSUE 42-A



PRODUCT DATA

GENERAL OFFICES - THE FLINTKOTE COMPANY, 39 ROCKEFELLER PLACE, NEW YORK 19, N. Y.

FLINTKOTE LAGGING COATING A Light Colored Heavy Bodied Coating For Thermal Insulation

Flintkote Lagging Coating is a heavy bodied latex coating formulated to produce a tough protective white protective finish on thermal insulation. The dried film is fire resistant and when combined with lagging fabric produces a surface with excellent resistance to physical damage.

Lagging Coating may be used with or without fabric, as an adhesive or coating, has good resistance to oils and grease, and may be washed to remove accumulated dirt. It also serves as an excellent base for painting decorative finishes such as prime or Flintkote Colortone.

PHYSICAL PROPERTIES

Type	Synthetic Resin Latex
Color	White
Vehicle	Water
Consistency	Heavy Brush
% Solids	50%
Weight per gallon, lbs.	10.6
Coverage	40-100 sq. ft./gallon
Drying Time	2 hours
Tough	12 hours
Service Temperature	0 - 180° F.
Application	brush, spray, roller coat.
Flammability	non-flammable
Wet	fire-resistant
Dry	1.0
Vapor Permeability	water
Clean-up	Toluene or Xylene
Wet film	Keep four freezing in storage. Do not apply at temperatures below 40° F. and protect from freezing temperatures until dry.
Precautions	
Consistent Sizes	1, 5, 55 gallons.

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NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, Flintkote is beyond our control, we do not guarantee the results to be obtained.



NUMBER 296
ISSUE 03-A

PRODUCT DATA

GENERAL OFFICES - THE FLINTKOTE COMPANY, 80 ROOSEVELT PLAZA, NEW YORK 20, N. Y.

FLINTKOTE COLORCOAT

Decorative and Protective Coating for Thermal Insulation Lagging, Fabrics and Asphalt Waterproofers.

Flintkote Colorcoat is a durable yet flexible protective coating for thermal insulation. The dried film is fire resistant and provides a highly decorative finish which resists dirt, oils, grease and many corrosive chemicals. It can be used as an adhesive for cementing lightweight lagging fabrics or as a finish coating over laglaga which previously have been installed with a conventional lagging adhesive.

Flintkote Colorcoat may also be used as a finish over most asphalt waterproofers after they are thoroughly dried (note: contact type mastic coatings require drying periods of up to 30-60 days before applying Colorcoat.)

Colorcoat is supplied in a ready-to-use brush

PHYSICAL PROPERTIES	
Consistency	Brushing
Wt. Per Gallon	10.5 - 11.0
Solids % by Wt.	48.0 - 51.0
Drying Time	0 - 15 mins.
Bonding Time	1 Hour
Touch	4 Hours
Through	
APPLICATION NOTES	
1. Apply only to clean surfaces.	A. 50-60 sq. ft. per gallon over insulation without arcticure.
2. Do not apply at temperatures below 40°F.	B. 80-100 sq. ft. over lagging fabrics and masticure.
3. Condition brushes by soaking in clean water before applying Colorcoat.	C. 100-120 sq. ft. over non-absorptive surfaces such as mastic waterproof.
4. Insulating cements and mastic coatings should be thoroughly dry before applying Colorcoat.	
5. Coverage will vary according to surface and use conditions.	

CAUTION: Flintkote Colorcoat is a water vehicle material. - Keep From Freezing.

CONTAINERS: 55 gallon, 5 gallon, 1 gallon
• 6 per case.

NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, since such use is beyond our control, we do not guarantee the results to be obtained.

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COLD STORAGE

COLD STORAGE

ADHESIVES

Product	Date Shown	Applicable Specification	Description
No. 70	283		Heavy bodied chemical asphalt emulsion for bonding vapor barrier membranes and light weight insulations.
Asphalt Emulsions	281		Adheral coldset asphalt emulsion adhesives for erecting insulations on porous substrates.
No. 746	285		High solids rubber-asphalt emulsion adhesive for bonding vapor barriers and erecting insulations.
Legging Adhesives Type I and II	293	MIL-A-3316-A Type II	Standard and fire resistive grades of resin latex adhesives for insulation lagging.

FINISHES

G-13-A	205		Heavily fibrated asphalt emulsion for trowel finish over insulation.
Sanded Premix Emulsion	289		Sand filled asphalt emulsion for damage resistant trowel applied finish.
G-13-AL	314		Aluminum pigmented asphalt emulsion coating. Provides odor free bright reflective surface.
White Insulation Coating	306		White latex modified plaster finish for cold room interiors.
Legging Coating	298	MIL-A-3316-A Type I	Fire resistive heavy bodied latex coating for providing clean, damage free finish on insulations.
Colorcoat	296		Pigmented heavy bodied latex coating for decorative finish on insulation. Fire resistive.

SPECIALTIES

Yellowjacket	313	HH-G-0046a	Glass fabric reinforcing membrane. Prevents cracking of coatings due to structural stresses.
Plinematic	251		Gold applied asphalt mastic floor topping for heavy duty wearing surfaces.

200038



NUMBER 283
ISSUE 61-D

PRODUCT DATA

GENERAL OFFICES - THE FLINTKOTE COMPANY, 30 ROCKEFELLER PLAZA, NEW YORK 10, N. Y.

FLINTKOTE No. 70 ADHESIVE

Asphalt emulsion type-non-flammable for bonding insulation materials in cold rooms.

GENERAL

Flintkote No. 70 Adhesive is made from 180 penetration asphalt. It remains tacky and flexible at low atmospheric temperatures. Excellent bonds are provided at operating temperatures below 100°F. It is used cold as supplied with a working range in application from 45°F. to 100°F.

RECOMMENDED USES

Specifically, Flintkote No. 70 Adhesive is used to bond insulation materials such as cork, fibrous boards, Styrofoam, Foamglas, etc. to wood or masonry in cold-room application. It is likewise effective as an economical adhesive for bonding paper and parchment, crepe, asphalt saturated felt and membranes, jute, canvas, burlap and similar materials where low temperature operating conditions are the rule. It is especially recommended for bonding vapor barrier paper or foil against masonry surfaces in cold room construction.

Flintkote No. 70 Adhesive presents no fire hazard. It contains no petroleum solvents which would affect adversely certain insulating compositions and asphalt impregnated or saturated materials.

DIRECTIONS FOR APPLICATION

Flintkote No. 70 Adhesive may be applied to one or both surfaces, depending on the materials involved and the strength of bond required. Application can be by brush, trowel, spray or, as in bonding cork to cork, by face dipping. Average applications require one to three gallons per 100 sq. ft. governed by the porosity of the materials and the method of applying. It is recommended that a small area be tested for the best method.

As most of these materials are sufficiently porous to permit the ready evaporation of the water vehicle, wet combining is possible. On the other hand, the film remains under for delayed bonding where desired up to 24 hours.

NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, since such use is beyond our control, we do not guarantee the results to be obtained.

To spray Flintkote No. 70 Adhesive, a standard pressure pot, or pump as much as Alekline Model 7804-F, $\frac{5}{8}$ " to 1" ratio or Gayco Model, 8 to 1 ratio, (or equal) are required satisfactory with DeVilbiss MFC-310 Spray Gun with type MFC-422 removable spray head (1/8" inch air cap and fluid tip) and having a 1/8" inch orifice and 1/2" inch lead diameter.

CHARACTERISTICS OF FLINTKOTE NO. 70 ADHESIVE

Applications: Brush, trowel, spray or dipping.

Viscosity: Heavy paint consistency.

Dilution: Recommended for use as supplied, however, if necessary, use small amount of cool, spray water (containing up to 1/25 part).

Coverage: Depends on surface, usually one to three gallons per 100 sq. ft.

Working Period: Has long open image - combine immediately to 24 hours.

Application Temperature: Between 45°F. and 100°F. However, apply at room temperature wherever possible.

Dried Film: Glossy black.

Molten Vapor Transmission: Less than oil paints (4 gal./100 sq. ft.).

Temperature Susceptibility After Application: Thick films will flow at high temperatures. Remains flexible at low temperatures.

Special Instructions: Protect from freezing in container and until applied film is dry.

Net Weight Per Gallon: About 8.5 pounds.

Container Sizes: 1, 5, 55 gallons. 550039



NUMBER 281
ISSUE 61-A

PRODUCT DATA

GENERAL OFFICES • THE FLINTKOTE COMPANY, 30 ROCKEFELLER PLAZA, NEW YORK 30, N. Y.

ASPHALT EMULSION ADHESIVES

Low cost, non-flammable for bonding lightweight materials

GENERAL

Flintkote C-13-HPC and N-13-HPC are heavy paint consistency emulsions of selected asphaltized asphalt which have been emulsified by means of colloidal clay. These emulsions, which differ only in the degree of the hardness of the asphalt base, serve as excellent general purpose adhesives for many water and weather resistant bonding and cementing operations with lightweight materials.

Flintkote C-13-HPC Emulsion - 100 penetration asphalt. Flintkote N-13-HPC Emulsion - 30 penetration asphalt. The adhesives are low in cost, odor free, non-flammable to use and are applied without heating to many clean, dry or damp surfaces. No toxicity is involved when using these products in confined areas.

RECOMMENDED USES

Flintkote C-13-HPC Emulsion retains a slight tackiness when dry, making it sufficiently suitable for low strength bonding of such materials as wall-board, gypsum board, cork insulation, fibrous sheetrock and felt. These may be bonded to one another or to other base surfaces under normal temperature provided the water vehicle of the emulsion can escape from the film.

Flintkote N-13-HPC Emulsion is less tacky than C-13-HPC when dry and because of its finer film can be used for non-solvent stronger bonds and higher service temperatures. It is recommended for bonding insulation blocks and batts to absorbent surfaces such as lightweight concrete, masonry and

gypsum board. Since no petroleum or aromatic solvents are present in these emulsions, the adhesive does not attack expanded polystyrene insulation.

CHARACTERISTICS OF FLINTKOTE C-13-HPC AND N-13-HPC EMULSION ADHESIVES

Surface Preparation:

Must be clean and free from oil, grease, rust, scale and dust. The surface may be slightly damp but not wet.

Application:

By spray or brush, usually to wet surface only.

Viscosity:

Heavy paint, smooth and buttery.

Dilution:

Generally used as received. If product is stiff or if more fluidity is required, dilute with cool, clean water, usually not exceeding 10 or 15 percent by volume.

Coverage:

30 to 100 sq. ft. per gallon depending on condition and nature of the base surface.

200010

NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, since such use is beyond our control, we do not guarantee the results to be obtained.

PRODUCT DATA

DISTRICT OFFICES - THE FLINTKOTE COMPANY, 50 JACOBSTOWN PLAZA, NEW YORK 30, N. Y.



Application Temperature:

Above 40°F. Apply at room temperature whenever possible for best workability.

Dried Film:

Semi-dull black, slightly tacky, free from checks and cracks. Good resistance to moisture and weather.

Finished Properties:

Exposed film is durable over a wide range of atmospheric conditions; however, if water remains in excesses, the use of a catalyst is recommended.

Special Limitations:

Not recommended for surfaces which do not permit evaporation of the water vehicle, such as plastics, laminated vinyls, metals, composition roofing membranes. Combine immediately while tacky.

Special Instructions:

Protect from freezing in containers and until applied film is completely dry.

Net Weight Per Gallon:

Container Sizes:
About 8.5 pounds.
1, 5, 55 gallons.

FLINTKOTE LAGGING ADHESIVE

A white latex adhesive for bonding various lagbolts to basalt. Available in standard and fire resistant grades.

FIRE RESISTIVE GRADE COMPLES WITH MIL-A-1315 TYPE II

remove grease, oil and dirt accumulations and can also be used as a etching base for further painting. Lagging adhesive is used extensively for adhering concrete slabs, curbs, pipe manholes, and other concrete structures. The adhesive is applied with a brush or roller, forming a smooth, jointless finish which is easy to keep clean with a minimum of maintenance.

Application can be made directly by brush or spray, or by dipping the lagging fabric in the adhesive prior to installation on the basalt. One makes an excellent base for further painting or can be left as is. The adhesive is non-toxic and non-flammable when wet. See table below for fire resistance properties of dried film. Do not apply at temperatures below 40° F.

PHYSICAL PROPERTIES OF FLINTKOTE LAGGING ADHESIVE

Type	Standard	Fire Resistant
Color	White	White
Vehicle Vehicle	Water	Water
Consistency	Medium Paste	Medium Paste
% Solids	5%	50%
Weight per gallon	12.6	9.5
Average Coverage Sq. Ft./Gal.	100	80
Drying Time 177° F	9 - 10 Minutes	4 - 10 Minutes
Bonding Time Through Dry	3 - 4 Hours	5 - 6 Hours
Service Temperature	-50°F/175°F	-50°F/175°F
Application	Brush, Dip, Spray	Brush, Dip, Spray
Flammability	Non-flammable	Non-flammable
Wet Film Dry Film	Runs	Runs
Clean-up	Water	Water
Net Film	Toluene or Xylene	Toluene or Xylene
Dried Film	1, 5, 55 gallons	(3 gal. Special Order)
Container Sizes		

NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, these tests are not intended to constitute a warranty, and we do not guarantee the results to be obtained.



PRODUCT DATA

NUMBER 205
ISSUE 61-0

GENERAL OFFICE • THE INTRUST COMPANY, 50 ROCKWELL PLACE, NEW YORK 20, N. Y.

FLINTKOTE C-13-A EMULSION

Flashed with asbestos, cold-applied coating for thick film protection

GENERAL

Flintkote C-13-A Emulsion is a basic mineral colloid asphalt emulsion, flashed with selected asbestos. It is produced in a reliable consistency for very close application of thick films having high resistance to water, weather, salt, abrasion, and impact. The dried film, when used as a protective coating for insulation, is permeable to water vapor but does not permit the passage of free water. As with other mineral colloid emulsions produced by Flintkote, C-13-A is made of soft, ductile, re-refined asphalt which does not flow at high temperatures. Its resistance to oxidation due to weather is not equalled by other forms of bituminous coatings.

CHARACTERISTICS

Flintkote C-13-A emulsion is used wherever a heavy duty protective coating is required. It permits a greater film thickness than non-flashed or lightly flashed coatings. The mineral colloid clay emulsion,

which surrounds the asphalt particles in the dried film, permits no unusual shrinkage in both high and low temperatures. Since this emulsion dries from the "bottom-up," vertical surfaces cannot be repainted as the film. The dried film is extremely flexible in its nature and is not subject to cracking or flaking under normal conditions. It is resistant to freezing weather but does not permit the intrusion of free water such as rain, splash or spillage.

This coating is applied cold to either dry or slightly damp surfaces. If a priming coat is required for extremely porous or dusty surfaces (such as Flintkote C-13-SPC Emulsion (non-flashed) or Flintkote Asphalt Primer (a catback) should be used. Allow adequate drying of a contact primer before applying C-13-A Emulsion.

Flintkote C-13-A Emulsion coatings are non-hazardous, both in application and in use. The dried coatings will not support combustion. In addition, mineral colloid emulsions contain no solvents, are odor free, non-flammable and non-toxic.

PROPERTIES AND PERFORMANCE CHART

Type	Mineral colloid asphalt	Emulsion	Flashed with asbestos
Volatility	None	None	None
Weight, pounds per gallon at 77°F	8.2/9.0		
Consistency	Trowel or heavy brush		
Solids content, % by weight minimum	45		
Coverage, sq. ft. per gallon of coating per 1/16" dry film build	12		
Drying time of 1/8" wet film, 60% R. H., 77°F To touch	1 1/4" wet film on vertical surface above no slump or sag		
Film Dry	8 hours		
Flex Point	24 hours		
Outdoor weathering performance	Non-flammable		
Flow of cured film at 300°F	Excellent		
Water vapor permeability at 50°F, perms, 1/16" dry film, initial before weathering	None		
After 60 days outdoor weathering	0.5 to 1.0		
Resistance to alkalis, grasses, solvents	0.7 to 0.5		
Resistance to dilute acids and to mild alkalies	Not reticulate		
Resistance to abrasion by sand blast	Excellent		
Resistance to abrasion by sand blast	Excellent		

200013

Flashed with asbestos, cold-applied coating for thick film protection. 90 psi. The recommendations for use of Flintkote products are based on data believed to be reliable. However, they are not intended to be a guarantee of results to be obtained.

PRODUCT DATA

GENERAL OFFICE • THE FLINTKOTE COMPANY, 30 ROCKEFELLER PLACE, NEW YORK 10, N. Y.

SANDED PREMIX EMULSION

Cold-applied, Protective Finish for Insulation, Ready-to-use, Non-flammable, Odorless, Applied by Trowel.



APPLICATION

Preparation of Surfaces: All surfaces should be cleaned thoroughly of dirt, oil, grease and loose particles prior to application of the priming coat.

Priming: (Insulation Materials) Premix emulsion should be troweled over the surface of the insulation. (Non-Insulation Materials) Premix emulsion should be applied with a brush or roller to a satisfactory application consistency of brush or spray with up to 15% with sand, clean water.

Recoating: Latent primer or masonry dust is present on dusty surfaces should be primed with Flintkote Primer or Flintkote C-13-A Emulsion followed by a second coat of Flintkote Sanded Premix Emulsion after drying of each coat.

Finishing: Surface may be primed with either Flintkote C-13-A Emulsion or with Flintkote Asphalt Primer. Coat back. For water held insulation, prime over the water.

Application: (By Trowel) Apply Flintkote C-13-A Emulsion over the primed surface to a thickness of not less than 1/8 inch. The coverage at this rate will approximate 8 gallons per 100 sq. ft. The dry thickness will be proportionately less upon evaporation of the liquid present in the product. For a dry coating thickness of 1/8 inch, apply approximately 12 to 14 gallons per 100 sq. ft. However coats over insulation on sloping or vertical surfaces should be applied over wire for a strong mechanical key.

Drying: Asphalt emulsion coatings have a drying time depending on temperature, humidity and the thickness of coating applied. Poorly ventilated areas or interior spaces will take longer and it is desirable to provide a sufficient volume of moving air for drying.

Cure of Tanks: Use only clean containers, brushes, trowels and other equipment should be soaked in water before using and immersed in water while out in use. At the end of the work, clean away all dried material by the use of kerosene, white gasoline or other petroleum solvent. Allow to dry and rinse in water before using again for asphalt emulsion coating.

CAUTION: Flintkote C-13-A Emulsion (Asphalt) and C-13-HPC Emulsion (Non-Asphalt) are water vehicle asphalt emulsions and must be protected from freezing in cold weather. If they are to be stored in cold weather, they should not be applied in freezing weather, unless they are protected from rain until dry. Water, freezing weather, ice or snow will not affect the dried coating.

Containers: 55 gallons, 30 gallons, 5 gallons.

COVERAGE AND FILM THICKNESS FOR FLINTKOTE C-13-A APPLICATION

See Film Thickness, Inches	Gallons Per 100 Sq. Ft.	Square Feet Per Gallon
1/16	4	25
1/8	8	13
3/16	12	8.5
1/4	16	6.4

RECOMMENDED USES

Performance properties of C-13-A Emulsion films are such that this coating is especially suited for application over thermal insulations when the surface temperature of the vessel, line or tank is above ambient. Then the insulating vapor film will be formed in place of the insulating material. The insulating film over the insulation is formed by the evaporation of the liquid present in the product. The insulating film under such conditions can be avoided by the use of C-13-A Emulsion since the film after curing is a breaching type. Liquid water is prevented from breaching the insulation by the C-13-A film. The breaching property combined with the unexcelled weatherability and over-all durability of the film installation. On a complete, of service and insulate-free film decreases with age; a 1/16" dry film after 60 days outdoor weathering, the barrier effect thus becomes improved so that in periods of shutdown moisture vapor movement into the insulation is retarded, but with sufficient breaching property being retained to prevent blistering.

Application: (By Trowel) Apply Flintkote C-13-A Emulsion over the primed surface to a thickness of not less than 1/8 inch. The coverage at this rate will approximate 8 gallons per 100 sq. ft. The dry thickness will be proportionately less upon evaporation of the liquid present in the product. For a dry coating thickness of 1/8 inch, apply approximately 12 to 14 gallons per 100 sq. ft. However coats over insulation on sloping or vertical surfaces should be applied over wire for a strong mechanical key.

Drying: Asphalt emulsion coatings have a drying time depending on temperature, humidity and the thickness of coating applied. Poorly ventilated areas or interior spaces will take longer and it is desirable to provide a sufficient volume of moving air for drying.

Cure of Tanks: Use only clean containers, brushes, trowels and other equipment should be soaked in water before using and immersed in water while out in use. At the end of the work, clean away all dried material by the use of kerosene, white gasoline or other petroleum solvent. Allow to dry and rinse in water before using again for asphalt emulsion coating.

CAUTION: Flintkote C-13-A Emulsion (Asphalt) and C-13-HPC Emulsion (Non-Asphalt) are water vehicle asphalt emulsions and must be protected from freezing in cold weather. If they are to be stored in cold weather, they should not be applied in freezing weather, unless they are protected from rain until dry. Water, freezing weather, ice or snow will not affect the dried coating.

Containers: 55 gallons, 30 gallons, 5 gallons.

RECOMMENDED APPLICATION

Preparation of Surfaces: Insulation should be laid right and firm, adequately fastened with shivers or other device and present a reasonably smooth surface which is clean and free from dust or grease.

Priming: Apply a priming coat of oil-soluble Flintkote C-13-HPC Emulsion over the surface at the rate of approximately 2 gallons per 100 sq. ft. This serves to seal the surface of the insulation as well as fill any irregularities and joint seams. It is common practice to apply this primer by trowel, but it also may be finished.

Finishing: Apply a priming coat of oil-soluble Flintkote C-13-HPC Emulsion over the surface at the rate of approximately 2 gallons per 100 sq. ft. This serves to seal the surface of the insulation as well as fill any irregularities and joint seams. It is common practice to apply this primer by trowel, but it also may be finished.

Finish Coating: After the priming coat is dry it will be only slightly tacky. Reinit the Flintkote Sanded Premix Emulsion by stirring in the containers to ensure uniform distribution of the fillers and provide smooth troweling consistency. It is usually handled with a hand motor or plasterer's hand.

Flintkote Sanded Premix Emulsion: is troweled on the primed surface at a coverage of 8 to 10 gallons per 100 sq. ft., giving a coating of approximately 1/8 to 3/16 inch thickness while wet, slightly less when dry. Superior protection will be obtained by applying two coats to a total thickness of 1/4 inch requiring about 14 to 16 gallons per 100 sq. ft. The first coat will serve to fill all depressions and joints, giving an ultimate finish of uniform smoothness and the best appearance.

As-shipped finish: for shivers, under surface and bump resistance, is to single wide mesh over the insulation (as for a wadboard) and apply a mastic emulsion of Flintkote Sanded Premix Emulsion to which has been added 15% (by volume) of polished

NOTICE: The Recommendations for use of Flintkote Products are based on tests conducted to establish reliability; they are not intended to be used as a basis for liability.



PRODUCT DATA

GENERAL DIVISION - THE FLINTKOTE COMPANY, 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

FLINTKOTE C-13-AL

Reflective protective coating - odor-free water vehicle-repore permeable dried film.

GENERAL

Flintkote C-13-AL is a unique coating in which aluminum pigment is intimately incorporated into an asphalt emulsion of the mineral colloidal type. The coating is further reinforced with a polymerized resin, for added film toughness. C-13-AL dries rapidly to form a tough acrylic-type coating in which the dried pigment is readily dispersed throughout the film from top to bottom.

CHARACTERISTICS AND SUGGESTED USES

The use of a mineral colloidal asphalt emulsion base assures the use of the excellent weathering properties found in other Flintkote emulsion protective coatings. The dried film will not flake, peel, or crack under adverse conditions of low temperatures and extreme dryness. It will retain its flexibility and elasticity for prolonged exposure. C-13-AL, when dry, has a water vapor permeability similar to other mineral colloidal

asphalt emulsions. Since no solvents are used in the preparation of this product, the coating is odor-free in both the wet and dry state.

The properties of Flintkote C-13-AL recommend it for coating over permeable insulation weather-resistant in use. It will stand the wear and tear of water runoff, and the film, like other Flintkote emulsion coatings, it does not allow water to enter through the dried film.

Because of its odor-free, non-toxic properties, C-13-AL is ideal for use in food storage rooms and food coolers. Its highly reflective surface will increase visibility in confined areas.

Flintkote C-13-AL provides a pleasing appearance when used in conjunction with other Flintkote protective coatings for protection of structural steel, masonry and industrial buildings.

PHYSICAL PROPERTIES

Type	Mineral Colloid Asphalt Emulsion Pigmented with non-leaching Aluminum
Vehicle	Water
Weight, Pounds per gallon - 77°F	9.5
Solids, Content, % by wgt. Ave.	40
Coverage	100-125 S. F. Per Gallon
Build	1/16" wet film on vertical surface above on slumping
Application	Brush or Spray
Drying Time (Ave.) To Touch Film	4 hours 12 hours
Flammability Wet Film Dry Film	Not Flammable Not Flammable by itself. Gently retards flammability when used over bituminous coatings.
Permeability (Perm.)	1.0 at coverage on 2 gals./100 S. F.

NOTICE: This Recommendation for use of Flintkote Products is based on tests believed to be reliable. However, the user is to be held responsible for the results to be obtained.

Dried material can be removed by the use of kerosene, white gasoline or other petroleum solvent.

Caution: The asphalt emulsions described herein must be protected from freezing both in storage and during application. After drying, water or cold will not affect them. Stir container contents before use whenever possible. Use Flintkote Standard Primer Emulsion as soon as practicable after receipt since prolonged storage promotes settling and decrease workability.

Containers: 55 gallons, 30 gallons, 5 gallons.

cream. In using this material, it is gated with a very small amount of clean, cold water to desired consistency. Use only such quantities as will be applied within one hour as it cannot be re-tempered.

Drying: Asphalt emulsion coatings have a drying time dependent on temperature, humidity and the thickness of the coat applied. Unventilated, inside areas will take longer, and it is often necessary to provide fans as an aid to drying. No fire hazard is encountered as the asphalt emulsion products are non-flammable.

Cure of Tools: Soak tools in water before using and rinse an often as necessary to prevent panning.

Q-4-11-13

NUMBER 309
ISSUE 61-C

PRODUCT DATA

GENERAL OFFICES • THE FLINTKOTE COMPANY, 20 ROCKEFELLER PLACE, NEW YORK 20, N. Y.

WHITE INSULATION COATING

Specialty compounded latex and pigment for trowel application over insulation in cold storage areas.



Trowel applied Flintkote White Insulation Coating over ceiling insulation provides a smooth, abrasion-resistant, light reflecting surface.

MIXING THE COATING

The mix of Flintkote White Insulation Coating is prepared as a batch. Put the dry component powder in a wheel or other leak-proof mortar box and add the liquid binder component slowly with thorough mixing action for complete plasticity free of any lumps. In making more than one unit, do not change the ratio of powder to liquid. If conditions between the mix and the slightly different consistency it is permissible to add or subtract up to 1% of latex based on the original volume of the binder liquid.

The coating should be applied immediately after mixing. Mix only a such quantity as will be used within an hour. Do not try to refrigerate this material. The mixing pan or box, mortar boards, trowels and other tools should be cleaned with water and wiped dry at frequent intervals to prevent the accumulation of lumps of hardened coating. Minimum

NOTICE: The Recommendations for use of Flintkote Products are based on both laboratory and field tests. However, these tests are not intended to be a guarantee of results in the absence of proper application.

GENERAL
Flintkote White Insulation Coating is a two-component product formulated for application by traditional plastering techniques to give a thin, abrasion-resistant surface to insulation in cold-storage areas. Additionally, it provides a tough, two-bottle film which bonds strongly with the insulation surface. The resulting white finish has excellent light reflectiveness for better visibility in enclosed spaces.

Each mix of Flintkote White Insulation Coating is composed of liquid latex binder and dry, premixed powder, properly proportioned for making to the correct consistency without the addition of other ingredients. Although it may be mixed and applied at temperatures between 40°F. and 90°F., the range of 60°F. to 80°F. is recommended for best application results.

PREPARATION OF SURFACE

The insulation shall be firmly adhered to the base. Application of the insulating material shall be in accordance with the insulation manufacturer's specifications.

The surface of the insulation shall be clean and free of loose particles, sharp projections or anything that prevents the application of a continuous coating. Holes, cracks, joints, depressions, broken concrete, voids and the like shall be repaired prior to application of coating. Reinforcement of concrete blocks may be necessary to prevent a smooth, even surface. Three insulation is current and previous in all-line surface, the applicator shall apply a smooth coat of Flintkote WHITE INSULATION COATING to a maximum thickness of 1/4 inch per coat and allow to cure before applying the continuous coating. To save wear condition, wood supports and wood nailing strips, it is advisable to apply this coating in a uniform application and sealed one ply at a glass fabric membrane in the wet coating as reinforcing. Furred fabric at least one inch beyond all edges of the area.



and stronger. Apply at temperatures above 40°F. and the coating must be protected from rain or freezing until dry. Rain, freezing weather, snow or ice will not affect the dried coating.

C-13-AL contains a pH buffering chemical which will leach out of the dried film on exposure to rain or condensation such as dew. When initially applied, the film will be slightly alkaline. As the chemical can produce a slight yellowing to the film but the effect is temporary and will disappear with additional exposure.

CONTAINERS

5 Gallon Drums, 5 Gallon Pails.

APPLICATION
Flintkote C-13-AL should be applied to surfaces which have been freshly painted or coated with an asphaltic film such as Flintkote Primer or C-13-AL. Apply the coating in a uniform, continuous layer. Fresh insulation Thermalite also provides a suitable surface for the application of C-13-AL. (Rubber films should be allowed to cure thoroughly while emitting coatings need only be sufficiently set as to not be disturbed by brushing.)

CAUTION

Flintkote C-13-AL is a water vehicle product and must be protected from freezing in shipping.

6-10-55



NUMBER 208
ISSUE 62-A

PRODUCT DATA

GENERAL OFFICES • THE FLINKOTE COMPANY, 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

FLINKOTE LAGGING COATING A Light Colored Heavy Baked Coating For Thermal Insulation

Flinkote Lagging Coating is a heavy bodied latex containing sand to produce a tough protective resistant white protective finish on thermal insulation. The dried film is fire resistant and when combined with lagging fabric produces a surfacing with excellent resistance to physical damage.

Lagging Coating may be used with or without fabric, as an adhesive or coating, has good resistance to oils and greases, and may be washed to remove accumulated dirt. It also serves as an excellent base for further decorative finishes such as paint or Flinkote Colormat.

PHYSICAL PROPERTIES

Type	Synthetic Resin Latex
Color	White
Vehicle	Water
Consistency	Heavy Brush
% Solids	50%
Weight per gallon, lbs.	10.5
Coverage	40-100 sq. ft./gallon
Drying Time	2 hours
Through	12 hours
Service Temperature	0 - 180°F.
Application	brush, spray, roller coat.
Flammability	non-flammable
Fire	non-combustible
Dry	1.0
Vapor Permeability	1.0
Clean-up	water
wet film	Thinner or Xylene
dried film	
Precautions	Keep from freezing in storage. Do not apply at temperatures below 40°F. and prevent from freezing temperatures until dry.
Container Sizes	1, 3, 55 gallons.

FLINKOTE

NOTICE: The Recommendations for use of Flinkote Products are based on tests believed to be reliable. However, since such use is beyond our control, we do not guarantee the results to be obtained.

directed on to the surface of the coating is to be avoided. Ventilating and air circulating must be maintained. The cold room should be buffed in such a way as to keep the air blast from impinging directly on the coating.

To minimize possible cracking of the thin coating due to structural movement of the base insulation deep seating should be carried out at intervals of about 20 feet as well as at angles of wall, ceiling, or where it connects floors, doors, windows or framing. This reduces undue stress on the applied finish.

CAUTION:

Protect the binder liquid component of Flinkote White Insulation Coating from freezing during storage as well as during application and curing. Keep dry powder prismatic component of Flinkote White Insulation Coating dry in closed containers until time of use.

NOTE:

During mixing and application a slight characteristic odor of the binder liquid may be noticed. Adequate ventilation and complete drying will remove all traces of this odor in the finished application.

CONTAINERS:

One unit is composed of 5 gal. latex binder (dried) in 5 gal. pail and 140 lbs. Praxair (dry) in four 35 lb. bags. Each unit will cover approximately 140 sq. ft. at 1/8 inch thickness.

thickness for one coat application is 1/4 inch; wetting time is approximately one hour for normal atmospheric conditions.

APPLICATION AND CURING

After insulation has been judged to be satisfactory, the application shall apply by trowel or even coating of Flinkote White Insulation Coating. Trowelling should be kept to a minimum. For smooth finish work, sufficient area should be applied to permit re-trowelling in approximately one hour at 70°F. and 50% relative humidity. In colder and/or more humid air, the working time may be longer. The application should determine the proper time and manner of finish trowelling by early trial. For two coat applications, the second coat is usually applied as a thin coating sufficient only to obtain a smooth appearing surface.

Application of Flinkote White Insulation Coating over insulations containing surface voids or open cells may produce bubbles of entrapped air in the coating. This condition can generally be corrected by applying a thin "scratched air" coating before the final application is made. The purpose of this application is merely to displace the air and fill the surface voids.

Final test of Flinkote White Insulation Coating occurs within 24 to 48 hours. However, temperature should not be pulled down for operation until the coating is thoroughly dry with warm and ventilation, at least 4 to 6 days should be allowed for drying. In confined areas, artificial ventilation may be required but it is important to note that drying with high temperature speed heaters or fans that are

FLINKOTE



NUMBER 205
ISSUE 65-A

PRODUCT DATA

GENERAL OFFICE • THE FLINTKOTE COMPANY, 10 ROCKEFELLER PLACE, NEW YORK 20, N. Y.

FLINTKOTE COLORCOAT

Decorative and Protective Coating for Thermal Insulation lagging fabrics and asphalt waterproofs.

Flintkote Colorcoat is a durable yet flexible protective coating for thermal insulation. The dried film is fire resistant and provides a highly decorative finish which resists dirt, oils, grease and many corrosive chemicals. It can be used as an adhesive for cementing lightweight lagging fabrics or as a finish coating over lagging which previously have been installed with a conventional lagging adhesive.

Colorcoat is applied in a ready-to-use bush

consistency for maximum ease in application, since it is a synthetic resin latex composition, only water is needed to clean up of barrels and equipment and spills may be removed, before drying, with a dampened cloth.

Flintkote Colorcoat may also be used as a finish over most asphalt waterproofs after they are thoroughly dried (note: emulsion type mastic coatings require drying periods of up to 30-60 days before applying colorcoat.)

PHYSICAL PROPERTIES	
Consistency	Brushing
Ygr. Per Gallon	16.5 - 11.0
Solids % by wgt.	48.0 - 51.0
Drying Time	0 - 15 mins.
Boiling Time	1 hour
Tough	4 hours
Through	

APPLICATION NOTES	
1. Apply only to clean surfaces.	
2. Do not apply at temperatures below 40°F.	
3. Condition surfaces by sanding in clean water before applying Colorcoat.	
4. Insulating cements and mastic coatings should be thoroughly dry before applying Colorcoat.	
5. Coverage will vary according to surface and use conditions.	

CAUTION: Flintkote Colorcoat is a water vehicle material. - Keep From Freezing.

CONTAINER: 55 gallon, 5 Gallon, 1 Gallon

* 6 per case.

NOTICE: The Recommendation for use of Flintkote Products are based on tests followed to be precise. However, data such as is beyond our control, we do not guarantee the results to be obtained.

205 65-A
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NUMBER 219
ISSUE 61 - 8

PRODUCT DATA

ORIGINAL OFFICES • THE FLINTKOTE COMPANY, 30 EDEYELLER PLACE, NEW YORK 19, N. Y.

YELLOW JACKET MEETS FED. SPEC. HH-C-00466a 20 x 10 mesh

GENERAL

Flintkote Yellow Jacket is a weaver glass mesh reinforcing membrane of distinctive color for easier application. It is manufactured to meet the requirements of Federal Specification HH-C-00466a.

It is recommended for use wherever internal reinforcement of applied coatings is required such as waterproofing, dampproofing, industrial protective coatings and similar applications.

CHARACTERISTICS AND USES

Flintkote Yellow Jacket is manufactured with a coating of synthetic resin which is compatible with cold-applied coatings of asphalt and coal tar and resin. It's distinctive yellow color is of great assistance in the application in making certain that the fabric does not "float" to the top of the coating and that complete coverage is obtained in applications made under conditions of poor lighting. The resin coating is non-sticky even at elevated temperatures assuring no sticking in the rolls - permits easy bulk cutting and no leveling.

The strong glass fibers provide the reinforcement needed in waterproofing and protective coatings for bridging cracks caused by structural movement and building vibrations. The even mesh construction is also of assistance in obtaining greater wet film build for heavy duty applications. When used in thermal insulation applications, it is of value in reinforcing, weatherproof coating films and in

protecting valves, fittings and other irregular surfaces. The presence of glass fabric greatly increases the resistance to impact of applied films.

PROPERTIES

Type:

Woven glass mesh treated with synthetic resin coating.

Color:

Yellow.

Mesh Size:

20 x 10.

Bonding Strength:

U. D. - Min. 750 Min.
C. D. - Filling 750 Min.

Packaging:

Units

1 - 48" x 150' Roll (600 sq. ft.)

1 - 36" x 150' Roll

3 - 12" x 150' Rolls (450 sq. ft.)

6 - 6" x 150' Rolls

12 units per carton.

500000

NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, since we do not guarantee the results to be obtained.



PRODUCT DATA

GENERAL OFFICES • 121 FLINTKOTE COMPANY, 20 ROOSEVELT PLAZA, NEW YORK 38, N. Y.

"FLINTMASTIC" FLOORING

Cold applied surfacing using binder of asphalt base dry emulsion—for heavy duty industrial floor resurfacing, patching, underlayment for tile or wearing surface—old or new construction.

FLINTMASTIC¹ is the trade name for cold-applied asphalt emulsion which is made by mixing emulsion, grades 60 and 70, with a binder of Flintkote asphalt base dry emulsion. The mix is handled in the same manner as concrete for spreading and finishing. It has the advantages of being a resilient and malleable material because of its asphalt binder and can be readily applied to firm base surfaces in relatively thin sections.

Properly applied, FLINTMASTIC will provide a floor surfacing that is low-slip and durable, resisting oil, gasoline, acid, alkali, wear and abrasion. It is capable of carrying heavy traffic without coming or chipping, and for the spreading plant, may be installed with little or no delay in work schedules. The millions of square feet in service offer proof of the virtual maintenance-free properties of these floors which actually improve in smoothness, toughness and density with continued heavy duty service.

The use of FLINTMASTIC is not confined to the wearing surface of floors. It is the ideal underlayment material for many of the floors of almost any type provided they are structurally sound. Further, FLINTMASTIC makes a superior leveling course for masonry surfaces and serves as an underlayment for decorative tile or other coverings. It is also the most effective patching material for spot floors that is known.

Two types of Flintkote asphalt base dry emulsion are available as the binder for FLINTMASTIC: Grades 60 and 70. Grade 60 is a medium consistency emulsion (flow to give tensile strength) and toughness to surface feet down with hand tool; while Flintkote N-13-RPC contains no fiber and is used interchangeably with N-13-F, but is preferred for surfacing put down with power feeding and compacting machines.

All FLINTMASTIC flooring work requires the use of an asphalt base dry emulsion for priming. This is the same emulsion as used for the base on which it is laid. The product recommended for priming is Flintkote C-13-RPC Emulsion, an unfibred emulsion which is made from soft asphalt base binder emulsions.

NOTICE: The Recommendations for use of Flintkote Products are based on tests followed to be reliable. However, since each use is beyond our control, we do not guarantee the results to be obtained.



Heavy trucking in modern industry demands floors that absorb shock and are comfortable, even and desirable under foot traffic.

The mix proportions given here are typical of those which have been used by asphalt mastic flooring specialists for approximately forty years. Changes in the amount of dry ingredients are occasionally made to adjust for locally available aggregates or unusual floor service conditions. Adherence without deviation of proportions of the mix is essential to the proper performance of the mastic floor. The mix should be applied in a manner that the mastic floor will meet the service needs and quality of a FLINTMASTIC floor. To protect himself, the buyer should state in his specifications: "Emulsion shall comprise asphalt base binder emulsion and aggregate, as specified, disposed in secret by means of a mechanical method."

SUGGESTED SPECIFICATIONS

(NOTE: On the basis that the heaviest aggregate used shall not exceed 600 lbs per cu yd, 40% of the bulk weight of the emulsion shall be the amount of dry ingredients required. This is the same principle followed in the design of concrete and asphalt concrete construction. In leveling courses and patching, where the FLINTMASTIC must be carried out to finish grade, so meet existing floor levels, absolutely only fine aggregate can be used.

20051

PROTECTIVE COATINGS

ASPHALT EMULSIONS

Product	Data Sheet	Application	Description
Emulsion Coating C-13-40C	201		General description mineral colloid emulsion coatings.
	202	ASTM-D-1187-56 Type B	Unilibrated coating for brush, spray or trowel. Weather resistant coating for metal and masonry.
C-13-S	203	ASTM-D-1187-56 Type A	Unilibrated coating for brush, spray or trowel. Resists excessive water exposure such as marine applications.
C-13-C4	204	ASTM-D-1227-59 MIL-R-5412	Fiberglass coating for brush, spray or trowel. Other reinforcement resists cracking due to structural stresses.
No. 54 Insulation Coating	211		Cork filled emulsion coating for brush, spray or trowel. Insulates, controls moisture condensation and deadens sound.

ASPHALT CUTBACKS

Product	Data Sheet	Application	Description
Cutback Coatings	231		General descriptions of cutback asphalt coatings.
Asphalt Primer	232	SS-A-701	Penetrating primer for dusty and porous surfaces. Brush or Spray.
No. 261	233	ASTM-D-41-41	Heavy bodied emulsion-like primer. High melting asphalt base provides resistance to elevated temperatures.
No. C-19	237		Fiberglass heavy bodied coating for brush, spray or trowel. Apply up to 1/8" thickness without sag for heavy duty protection to weather and corrosion.
Trowel Mastic	239	SS-C-155 Type II	Heavy bodied fibrous coating for trowel application. Use for caulking, flashing and extra heavy duty service.
No. 64 Insulation Coating	241		Cork filled cutback coating for brush, spray or trowel. Insulates, controls moisture condensation and deadens sound.

SPECIALTIES

Product	Data Sheet	Application	Description
C-13-AL	314		Aluminum pigmented asphalt emulsion coating. Brush or spray. Non-leaching pigment provides long lasting bright finish.
Aluminum Paint (Cutback)	301		Aluminum pigmented asphalt cutback paint for brush or spray. Provides economical bright aluminum finish.
Decoralt	303		Colored acrylic latex coating. For brush or spray on structures, bluminous pavements and play areas.
Yellow/Jet	313	SH-C-6046a	Glass fabric reinforcing membrane with distinctive yellow finish. For use with heavy duty coating applications.

recommended since they do not permit the proper mixing of the heavy bodied consistency required for correct installation. Hand mixing in a mortar box is permissible if care is taken to ensure complete mixing.

Mix measured quantities of the cement and aggregates with self sufficient water to make a stiff mortar. Then add the measured quantity of Flintone Flooding Emulsion (6-13-F or 6-13-FPC) and mix thoroughly until the mixture is uniform color and homogeneous throughout. Use the mixture for variable consistency - excessive use of water may cause shrinkage cracking on curing. As a guide to mastic water requirements, it has been found that a 1:2:2.4 mix made with dry aggregates requires approximately 1 volume of water for proper consistency.

The amount of mastic mixed in one hour should be only 3 quantity that will be placed within an hour as it cannot be retempered.

Finishing and Finishing. Depth guide form or screed marks should be placed about 10 ft apart. After the mastic is deposited on the floor, it is raked to proper level and spread up with tamping or workhead. It is straightened and flamed to ensure either by hand or using disc tamping. Drier mixers are required for machine finish than for hand finishing. Good compaction is essential for best performance of the finished flooring.

Final steel trowel finishing is preferably delayed until the final set has taken place which may vary an hour or so with the type of cement used. Troweling boards are used to prevent marking the surface.

Curing. It is extremely important that adequate measures be taken against rapid drying out of newly laid "flintmatic" as a dried surface surface checking from shrinkage. As soon as the surface is hard enough to resist marking, it should be covered with suitable curing paper or other material to prevent moisture evaporation. After about 12 hours the surface may be covered with a spray of water to maintain the surface. The curing surface may be opened to traffic in 24 to 48 hours as determined by inspection.

PRECAUTIONS

The Flintone Asphalt Emulsions referred to in this specification are water base and may be protected from freezing, both in storage and during application.

Pigmenting flaking is not recommended for products subject to abrasion or petroleum solvents. When Flintmatic is used as underlayment for decorative floor coverings, care must be used in the selection of the cementing medium used so that the covering in order to avoid solvent types that will soften the asphalt binder component of the Flintmatic.

The cement referred to in these specifications may be domestic or regular Portland Cement. Limestone type 1 is more rapid rate of setting. Also, the use of admixtures may require special care in mixing. Slight aluminum depending on the characteristics and grading of local materials.

1 A. Insulation of The Flintone Co. 1955

Measurements in the proportions below are for dry sand. Where sand is damp, an adjustment of about 20% increase should be made. Sand should be clean, washed and of sharp angular particles and properly graded as for concrete work. Either gravel or crushed rock may be used for the coarse aggregate. The coarse aggregate should be clean, washed, and of sharp angular particles and properly graded. The coarse aggregate should be clean, washed, and of sharp angular particles and properly graded. The coarse aggregate should be clean, washed, and of sharp angular particles and properly graded.

FLINTMATIC MIX FOR HAND APPLICATION

- 1 volume cement (1 bag) 1 cu. ft. (1-1/2 gal.)
- 2 volume Flintone 6-13-F (or 6-13-FPC) 2 cu. ft. (3 gal.)
- 2 volume well graded sand 2 cu. ft. (3 gal.)
- 4 volume crushed stone or gravel 4 cu. ft. (6 gal.)

This total quantity will yield at the following thicknesses:
 1/2 inch - 130-140 sq. ft.
 3/4 inch - 100-110 sq. ft.
 1 inch - 65-70 sq. ft.

- 1 volume cement (1 bag) 1 cu. ft. (1-1/2 gal.)
- 1 volume Flintone 6-13-F (or 6-13-FPC) 1 cu. ft. (1-1/2 gal.)
- 2 volume well graded sand 2 cu. ft. (3 gal.)
- 4 volume crushed stone or gravel 4 cu. ft. (6 gal.)

This total quantity will yield at the following thicknesses:
 1/2 inch - 100-110 sq. ft.
 3/4 inch - 65-70 sq. ft.
 1 inch - 40-45 sq. ft.

POUR FLAY APPLICATION

(Not a recommended method for thickness of less than 1/2 inch)

- 1 volume cement (1 bag) 1 cu. ft. (1-1/2 gal.)
- 1 volume Flintone 6-13-F (or 6-13-FPC) 1 cu. ft. (1-1/2 gal.)
- 2 volume well graded sand 2 cu. ft. (3 gal.)
- 4 volume crushed stone or gravel 4 cu. ft. (6 gal.)

This total quantity will yield at the following thicknesses:
 1/2 inch - 100-110 sq. ft.
 3/4 inch - 65-70 sq. ft.
 1 inch - 40-45 sq. ft.

NOTE: HEIGHT OF "FLINTMATIC" FLOORING - 1/2 inch to 1 inch.

Flintmatic floor, when dry, rough approximately 1/2 inch. The rough surface should be smoothed and polished with a fine sand paper or similar material. The surface should be smooth and polished.

MIXING AND PLACING SPECIFICATION

Preparation of Base: The base surface shall be relatively uniform in line and grade (4 in. patch with concrete or flintmatic) and cleaned of all grease, oil, dirt or other foreign matter. Wash with water.

The cleaned base may be damp (no puddles) when setting Flintmatic. The base surface shall be relatively uniform in line and grade (4 in. patch with concrete or flintmatic) and cleaned of all grease, oil, dirt or other foreign matter. Wash with water.

Preparation of Flay: A mixing blade plunger mixer is the preferred method of mechanically mixing the mastic - resulting from mixers are not



NUMBER 281
ISSUE 64C

PRODUCT DATA

GENERAL OFFICE • THE FLINTKOTE COMPANY, 30 ROCKEFELLER PLACE, NEW YORK 20, N. Y.

ASPHALT BASE CLAY EMULSION - COATINGS

Applied without heating, non-flammable, non-toxic protection against weather, water and corrosion fumes

Characteristics

The unique method of manufacturing Flintkote Asphalt Emulsions by means of a mineral colloid emulsifying agent (in form of clay) creates a non-flammable, non-toxic asphaltic coating product with increased stability. The dried film of this type of reinforced asphalt is characterized by an internal reinforcing which takes the shape of a honeycomb structure. The composition is:

- (1) The vehicle (other phase) is water
- (2) The dispersed particles (same phase) are asphalt
- (3) The emulsifying agent is a prescribed type of mineral colloid (clay)

A primary advantage of Flintkote Asphalt Emulsions is that no hazards are encountered in using them as protective coatings, either from fire or toxicity - including confined or enclosed areas.

The stability characteristic is of vital importance also, because it overcomes the principal weaknesses of asphalt; namely, its tendency to flow under heat, crack at low temperatures, craze, alligator and oxidize when exposed to the elements.

The reinforcing formed by the mineral colloid used in the emulsification process eliminates thermal plastic flow which takes place in an ordinary

film of asphalt exposed to the elements and which causes progressive oxidation, leading ultimately to complete deterioration.

The complete elimination of flow under heat is a property which is possessed only by a film of this nature, and may easily be put on a practical test on the following lines:

The emulsion shall be spread upon a steel plate to an approximate wet thickness of 5/32" and allowed to dry at room temperature for 48 hours.

The film so prepared shall then melt and flow or drip off the plate when the flame of a Bunsen burner is directed against the back of the plate, and as the action of the flame is continued, the mass of the film shall char in place. (See photo) Flintkote Asphalt Base Clay Emulsions are made from selected stone refined asphalt meeting prescribed test requirements for penetration, softening point and ductility to assure a finished product which will exhibit all of the properties expected of a Flintkote protective coating.

The dried film of this type emulsion undergoes a natural process of curing which definitely improves with age. The time element of the curing process varies, of course, with the film thickness



Asphalt Emulsion - wet film



Asphalt Emulsion - film coating



Asphalt Emulsion - film clay structure



Asphalt Emulsion - Dried Film

NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, since such test is beyond our control, we do not guarantee the results to be obtained.

281057



NUMBER 202
ISSUE 61-C

PRODUCT DATA

GENERAL OFFICES - THE FLINTKOTE COMPANY, 38 ROOSEVELT PLACE, NEW YORK 20, N. Y.

FLINTKOTE C-13-HPC EMULSION

Non-flammable, non-flammable, solid-applied protective coating for metal and masonry equal in flammable materials.

The advantages of using Flintkote C-13-HPC Emulsion over chemical emulsions, cement and hot asphalt are in its ability, non-toxicity and non-flammability. The dried film retains its elasticity by retaining resistance to oxidation. The advantage of soft, ductile areas without asphalt in its composition is apparent in this product's ability to resist the effects of expansion and contraction, resulting in no cracking and abrasive industrial environments.

Since it is an emulsion type coating, Flintkote C-13-HPC can be applied to most clean masonry, either wet or dry, including green concrete masonry. Since clay emulsions do not skin over on drying, Flintkote C-13-HPC will not cause moisture in the film during periods of rapid surface drying.

No hazard is encountered in its use, either from fire or toxicity - even in confined areas. The dried film does not support combustion and is odorless.

GENERAL

Flintkote C-13-HPC is an asphalt base clay emulsion coating which contains no fillers or fillers. It has a semi-rigid consistency which is easily brushed and may be applied in thick films in a single application. No heating is required and for most uses may be adjusted for weatherability by the addition of coal, clay or water.

CHARACTERISTICS

Emulsification of asphalt by means of a mineral colloid (in form of clay) results in a product having a dried film which will not flow or sag when exposed to elevated temperatures. This characteristic permits its use in areas where other methods of application are not possible with other methods of emulsification and greatly enhances the life expectancy of the coating.

Flintkote C-13-HPC Emulsion resists alkalizing and staining when exposed to outdoor weathering and cracking due to cold. The dried film of this coating resists moisture and weather expansion without

TYPICAL PROPERTIES

CODE	TYPE	EMULSION
1	Voidless Vehicle	Applied Cold asphalt emulsion. General purpose protective and weather resistant coating.
2	Bright, glossy per gallon at 77°F.	None
3	Consistency	Brush or spray
4	Spalls Covered, 8 by 16 in. Medium	35
5	Spalls Covered, 8 by 16 in. Medium	2.0
6	Spalls Covered, 8 by 16 in. Medium	1 1/2" wet film on vertical surface show no shrinkage.
7	Drying time of 1/8" wet film, 60% R. H., 77°F.	12
8	To touch	12
9	Finish Point	Not flammable
10	Outdoor Weathering Performance	Excellent. Films do not crack or peel and remain intact on long exposure.
11	Flame at Cured Film at 100°F.	None
12	Flame at Cured Film, 1/8" thick of cured film (ASTM D-810)	None
13	Resistance to abrasion	Excellent. Films are recommended for wear resistance.
14	Resistance to alkalis	Excellent. Films are recommended for wear resistance.
15	Resistance to acids	Excellent. Films are recommended for wear resistance.
16	Resistance to salts	Excellent. Films are recommended for wear resistance.
17	Resistance to weathering	Excellent. Films are recommended for wear resistance.
18	Resistance to mold	Excellent. Films are recommended for wear resistance.
19	Resistance to mildew	Excellent. Films are recommended for wear resistance.
20	Resistance to insects	Excellent. Films are recommended for wear resistance.
21	Resistance to rodents	Excellent. Films are recommended for wear resistance.
22	Resistance to birds	Excellent. Films are recommended for wear resistance.
23	Resistance to reptiles	Excellent. Films are recommended for wear resistance.
24	Resistance to amphibians	Excellent. Films are recommended for wear resistance.
25	Resistance to fish	Excellent. Films are recommended for wear resistance.
26	Resistance to marine life	Excellent. Films are recommended for wear resistance.
27	Resistance to fungi	Excellent. Films are recommended for wear resistance.
28	Resistance to bacteria	Excellent. Films are recommended for wear resistance.
29	Resistance to viruses	Excellent. Films are recommended for wear resistance.
30	Resistance to parasites	Excellent. Films are recommended for wear resistance.
31	Resistance to diseases	Excellent. Films are recommended for wear resistance.
32	Resistance to pests	Excellent. Films are recommended for wear resistance.
33	Resistance to weeds	Excellent. Films are recommended for wear resistance.
34	Resistance to insects	Excellent. Films are recommended for wear resistance.
35	Resistance to rodents	Excellent. Films are recommended for wear resistance.
36	Resistance to birds	Excellent. Films are recommended for wear resistance.
37	Resistance to reptiles	Excellent. Films are recommended for wear resistance.
38	Resistance to amphibians	Excellent. Films are recommended for wear resistance.
39	Resistance to fish	Excellent. Films are recommended for wear resistance.
40	Resistance to marine life	Excellent. Films are recommended for wear resistance.
41	Resistance to fungi	Excellent. Films are recommended for wear resistance.
42	Resistance to bacteria	Excellent. Films are recommended for wear resistance.
43	Resistance to viruses	Excellent. Films are recommended for wear resistance.
44	Resistance to parasites	Excellent. Films are recommended for wear resistance.
45	Resistance to diseases	Excellent. Films are recommended for wear resistance.
46	Resistance to pests	Excellent. Films are recommended for wear resistance.
47	Resistance to weeds	Excellent. Films are recommended for wear resistance.
48	Resistance to insects	Excellent. Films are recommended for wear resistance.
49	Resistance to rodents	Excellent. Films are recommended for wear resistance.
50	Resistance to birds	Excellent. Films are recommended for wear resistance.
51	Resistance to reptiles	Excellent. Films are recommended for wear resistance.
52	Resistance to amphibians	Excellent. Films are recommended for wear resistance.
53	Resistance to fish	Excellent. Films are recommended for wear resistance.
54	Resistance to marine life	Excellent. Films are recommended for wear resistance.
55	Resistance to fungi	Excellent. Films are recommended for wear resistance.
56	Resistance to bacteria	Excellent. Films are recommended for wear resistance.
57	Resistance to viruses	Excellent. Films are recommended for wear resistance.
58	Resistance to parasites	Excellent. Films are recommended for wear resistance.
59	Resistance to diseases	Excellent. Films are recommended for wear resistance.
60	Resistance to pests	Excellent. Films are recommended for wear resistance.
61	Resistance to weeds	Excellent. Films are recommended for wear resistance.
62	Resistance to insects	Excellent. Films are recommended for wear resistance.
63	Resistance to rodents	Excellent. Films are recommended for wear resistance.
64	Resistance to birds	Excellent. Films are recommended for wear resistance.
65	Resistance to reptiles	Excellent. Films are recommended for wear resistance.
66	Resistance to amphibians	Excellent. Films are recommended for wear resistance.
67	Resistance to fish	Excellent. Films are recommended for wear resistance.
68	Resistance to marine life	Excellent. Films are recommended for wear resistance.
69	Resistance to fungi	Excellent. Films are recommended for wear resistance.
70	Resistance to bacteria	Excellent. Films are recommended for wear resistance.
71	Resistance to viruses	Excellent. Films are recommended for wear resistance.
72	Resistance to parasites	Excellent. Films are recommended for wear resistance.
73	Resistance to diseases	Excellent. Films are recommended for wear resistance.
74	Resistance to pests	Excellent. Films are recommended for wear resistance.
75	Resistance to weeds	Excellent. Films are recommended for wear resistance.
76	Resistance to insects	Excellent. Films are recommended for wear resistance.
77	Resistance to rodents	Excellent. Films are recommended for wear resistance.
78	Resistance to birds	Excellent. Films are recommended for wear resistance.
79	Resistance to reptiles	Excellent. Films are recommended for wear resistance.
80	Resistance to amphibians	Excellent. Films are recommended for wear resistance.
81	Resistance to fish	Excellent. Films are recommended for wear resistance.
82	Resistance to marine life	Excellent. Films are recommended for wear resistance.
83	Resistance to fungi	Excellent. Films are recommended for wear resistance.
84	Resistance to bacteria	Excellent. Films are recommended for wear resistance.
85	Resistance to viruses	Excellent. Films are recommended for wear resistance.
86	Resistance to parasites	Excellent. Films are recommended for wear resistance.
87	Resistance to diseases	Excellent. Films are recommended for wear resistance.
88	Resistance to pests	Excellent. Films are recommended for wear resistance.
89	Resistance to weeds	Excellent. Films are recommended for wear resistance.
90	Resistance to insects	Excellent. Films are recommended for wear resistance.
91	Resistance to rodents	Excellent. Films are recommended for wear resistance.
92	Resistance to birds	Excellent. Films are recommended for wear resistance.
93	Resistance to reptiles	Excellent. Films are recommended for wear resistance.
94	Resistance to amphibians	Excellent. Films are recommended for wear resistance.
95	Resistance to fish	Excellent. Films are recommended for wear resistance.
96	Resistance to marine life	Excellent. Films are recommended for wear resistance.
97	Resistance to fungi	Excellent. Films are recommended for wear resistance.
98	Resistance to bacteria	Excellent. Films are recommended for wear resistance.
99	Resistance to viruses	Excellent. Films are recommended for wear resistance.
100	Resistance to parasites	Excellent. Films are recommended for wear resistance.

NOTE: The Recommendations for use of Flintkote Products are based on tests performed in the laboratory. However, these tests are beyond our control, we do not guarantee the results to be identical.

applied, and the useful life in years of protection increases with the thickness. Flintkote Asphalt Base Clay Emulsion coating on steel have withstood conditions without exposure on our Research Laboratory's weathering tests for more than thirty years, with no evidence of rusting of the steel which it protects.

Flintkote Asphalt Base Clay Emulsion has no odor and is non-toxic, either in the wet state or after drying. The applied film of clay emulsion result in no cracking or flaking with respect to the passage of water vapor. This characteristic is of particular value in preventing blistering of applied film due to vapor pressure from surfaces such as thermal insulation. No fire hazard is encountered in its use. The dried film remains pliable and ductile.

C-13-HPC (meets specification ASTM D-1187-56 Type B) - A basic asphalt base clay emulsion without fillers or fillers (applicable by brush, roller or spray) to provide a stable protective coating of moderate thickness for protection against a wide variety of corrosion causing exposures.

C-13-HPC (meets ASTM D-1187-56 Type 1 and MIL - R - 302) - Similar to C-13-HPC but highly flamed with asbestos/fiberglass as a reinforced coating in the protection of steel and masonry. Highly recommended for surfaces exposed to abrasive and corrosive atmospheres; widely used as a high quality roof coating because of its resistance to outdoor weathering.

C-13-HPC - A basic emulsion which has been formulated to give greater resistance to re-ventilation and continuous exposure to water. It is usually recommended for below ground masonry, steel, or other surfaces exposed to excessive dampness or severe weather. Complies with requirements of specification A.S.T.M. - D-1187-56 Type A.

C-13A - Heavily flamed with asbestos for reinforced thick coating and applied by power-very much as a breathing type. moisture resistant coating over insulation and on asbestos material for refrigerated areas. Excellent as a heavy duty asbestos resistant protective coating for steel or masonry surfaces.

R-13-HPC - This asphalt base clay emulsion is made from a higher softening point, lower penetration asphalt, than the previous coatings described. It is particularly appropriate in hot climates or surfaces subjected to elevated temperatures to assure non-sticky finish protective coating work.

(Note: This sheet does not describe the use or methods of application, or the preparation of surfaces to be coated, but individual data sheets are available for each of the Flintkote Asphalt Base Clay Emulsions giving this information.)

Avoid Freezing
Emulsion type products must be protected from freezing in the containers and during application. Use at temperatures above 45°F. After the coating has dried, neither heat, cold nor dampness will affect it provided the thickness of film is not less than the manufacturer's recommendation for the exposure.

Containers - 55 gal., 30 gal., 5 gal., 1 gal.

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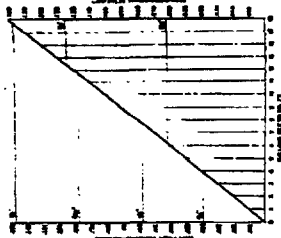
600000

PRODUCT DATA

GENERAL OFFICES - THE FLINKEOTI COMPANY, 30 ROCKWELL PLAZA, NEW YORK 20, N. Y.

FLINTKOTE C-13C4 EMULSION

Lightly fibred with asbestos, non-flammable, cold-applied coating to resist weather and corrosion



Investigating below grade moisture

A column of 3 gallons per 100 sq. ft. is suggested for the least critical applications. For extremely wet conditions, two coats of 2½ gallons per 100 sq. ft. each should be applied with glass fibers reinforcing membrane embedded into each coat, followed by a top coating of latex emulsion at the rate of ½ gallon per 100 sq. ft. This system has been used successfully for many years.

For permanent head, three additional coats of polyethylene need require an additional foot of 3½ inches of aggregate. This is the equivalent of 1½ ft. at the rate of 2½ gallons per 100 sq. ft. and 1½ ft. of glass fabric membrane. With extremely humid conditions, the top coating may be replaced by a membrane as strong as containing of a mixture of 50% cement and 50% latex sand. All systems are well suited for the entire column. All systems on the above are for wet conditions.

A minimum of two coats of 3-gal/lb. per 100 sq. ft. each is required to eliminate pinholing. For corrective action a picture of Plinkote No. 767 should be applied to the clean metal and allowed to dry thoroughly. As protection against film damage by mechanical handling or granular material, the film can be reinforced by embedded glass fabric.

Aliphatic foundation coatings have a drying time which is dependent upon temperature, humidity, air movement and the thickness of coating. It is essential that good drying conditions be observed to completely eliminate the water vehicle for thorough drying of the film. Enriched or fortified areas usually require high volume venting fans to provide circulation of air for complete removal of water from the applied film. Heaters may be required in conjunction with blowers or fans when the atmosphere is cold or cool and damp.

Use only clean containers. Brushes, spray equipment and other tools should be soaked in water when not being used. Used material may be removed with kerosene or petroleum naphtha. Rinse water before using again.

CAUTION - AVOID FREEZING

Asphalts Emulsion must be protected from freezing in shipping and storage. Apply when temperatures are over 43° F. and protect from rain or freezing until completely dry. The dried film is unaffected by extremes of temperature - above heat

1952, 1953, 1954, 1955, and 1956
 1957 case

RECOMMENDED USES

[illegible]

DIRECTIONS FOR APPLICATION

Flintone C-13-E may be applied by brush or brush sprayer. The emulsion is applied in a concentration which does not require thinning, before application. If it is necessary to dilute in order to prepare a suspending or wash coat, use only clean cool water and mix thoroughly to eliminate all undispersed material.

Brush applied, as received, Flintone C-13-E is an essentially a spreading operation. The use of soft bristle brush is recommended. The use of stiff bristle brush, the whitewash brush, is recommended to minimize the variable film thicknesses on brush masts. It is particularly important to avoid the use of bushes having occasional stiff or "wild" bristles which cut the wet film and reduce the effectiveness of the coating.

Most manufacturers of spray equipment have units which are recommended for applying Flintcote insulation coatings but the following suggestions may be used as a guide in selecting equipment: -

Material Hose - 3/4" I. D. may be used to 3/2" 15-25 feet behind gun for ease of handling.

PREPARATION OF SURFACES

Metal and masonry must be clean and free of all rust, mill scale, dirt, mortar splatters, oil, grease and other foreign matter. Concrete surfaces may preferably be disengaged with water or primed with a water emulsion diluted with approximately 1% of water and thoroughly washed into the surface.

[illegible]

The rate of coverage with Hindbore (1-11) will vary with the nature of the application and the severity of the exposure conditions. The following suggestions may be used as a guide in determining the coverage required for a particular situation.

PRODUCT DATA

MINERAL OFFICES • THE MINIZOTE COMPANY, 30 ROCKWELLER PLAZA, NEW YORK 20, N. Y.



FLINTKOTE ASPHALT CUTBACKS

Applied without heating, water and corrosion resistant vapor barrier
continues.

TYPES AVAILABLE

Asphalt Primer No. 269 - A thin penetrating primer, formulated by fillers or fillers; applicable by brush or spray to a wide variety of surfaces to prepare same to receive a thicker full bodied protective coating. Two types are available to meet Federal or ASTM specifications.

Plumbite No. 211 - A full bodied coating of asphalt and solvent without fillers or fibers. May be applied by brush or spray as a dampproofing or waterproofing coating, also used as an unfinishe protective coating for walls and roofs of metal structures.

Flikenite No. 267 - An asphaltic enamel composed of high melting asphalt (180° - 190° F.) in petrolatum solvents. Recommended as a heavy duty primer for selectively high temperature service and as a glossy black reflective protective coating.

Semi-mastic No. 214 - A brush or spray consistency mastic containing asbestos fibers in sufficient amount to allow moderately thick coatings to be applied to vertical surfaces without flow or sag. Used as a below grade waterproofing and non-radiation inertial faces of exterior walls.

Flikkote No. C-19 - A heavily fibered coating containing a high melting asphalt base; applicable by brush, trowel or spray to provide a heavy duty protective coating for internal insulation or for metal

The Flintkote Company manufactures a full line of cutback asphalt coatings produced by "cutting back" or dissolving selected asphalt cements in petroleum naphtha. These basic cutback products are either offered in unmodified form or by premixing with mineral fillers and fibrous reinforcing materials. The latter products are then formulated with reinforcing mineral fillers and fibrous reinforcing materials to produce heavy bodied protective coatings for waterproofing, aerial protection and abrasion resistance. The heavy bodied protective coatings for waterproofing, aerial protection and abrasion resistance are formulated with reinforcing mineral fillers and fibrous reinforcing materials to produce heavy bodied protective coatings for waterproofing, aerial protection and abrasion resistance.

By the careful selection of basic ingredients and the many years of manufacturing experience, Flintot is able to offer a group of products which are easy to apply and are tailored to give the maximum of service for their recommended usage. Being cutbacks, these products are not subject to leaching and will form strong bonds with most concrete surfaces.

In addition to their acceptance in cold weather applications, phenolic asphalt cements exhibit an extremely low vapor transmission rate. This vapor barrier characteristic is of value in such applications as waterproofing thermal insulation structures on the inside of a building, or on the inside of the tank, pipe or vessel being coated, or on the interior surface of exterior structural walls. The excellent adhesion of these coatings to a wide variety of substrates (both rigid and others requiring different cures) makes these coatings ideally suited for heavy duty protection of steel and masonry and as a base for many other waterproofing compounds.

APPLICATION METHODS

Flintkase C-3-C Emulsion is especially recommended for coating weathered asphalt roofing, galvanized built-up or roll roofing, cambraged or galvanized steel roofs and sidings, ferrous panner walls or metal facings, where a thorough coating is desirable to protect abrasion or industrial fumes, are effectively protected. Structural steel building frames or bridge sections may also be given excellent corrosion protection. This product is not recommended, however, for application over tar roofing, tar-based coatings or asphalt shingles.

DIRECTIONS FOR APPLICATION

Flintback C-1125 Emulsion is available in two concentrations; formulated for both spray applications. At room temperature, this emulsion does not normally require thinning, but if necessary, allow no more than 3% dilution with clean, cool water and thorough stirring. For manual conditions the use of less than 3 gallons per 100 sq. ft. is not recommended. For protection of most surfaces to concrete or masonry, it is desirable to apply two coats at a rate of no more than 3 gallons per 100 sq. ft. per coat. When the coats are applied it might make sense to each other, "jacking" will be effectively eliminated.

PREPARATION OF ASPHALT ROOF SURFACES

Clean off all dust, dirt, old loose or scaling coatings or other foreign matter and wash down with water.

Inspect port for defective tankings, coatings and open seams. (1) Repair tankings and coatings by applying an heavy coat of Filinthane Trolc Glass and embedding in the wet coating a strip of glass fabric. For the tankings until the coating comes through the open port to the outside. (2) Repair defective fabric should extend in all directions beyond the defective area to reach (2) layers of Filinthane Trolc Glass in making the repair. (3) Repairs made above Filinthane Trolc Glass may be made in Filinthane Trolc Glass and Filinthane Trolc Glass should be allowed to dry at 48 hrs. before coating with Filinthane Trolc Glass. Filinthane Trolc Glass should be allowed to dry at 48 hrs. in roll medium may be given up; but must not be reduced to less than 48 hrs.

Checked or millgrated coatings which are (im-
dust powdery) may be treated with a primer coat of
emulsion diluted 10% to 20% with water well
brushed in. If the roofing material has lost its
flexibility it should be treated with Flatcoat Asphalt
finer to re-activate. Badly deteriorated roofing,
water, should be replaced completely.

SEPARATION OF METAL OR NONMETAL COMPOUNDS:

PREPARATION OF METAL OR MASONRY SURFACES:

Clean off rust, scale, loose paint at other coatings by sandblasting, scraping, wire brushing or other acceptable practice. Pasty or porous masonry should be first dampened with water. Excessively porous or pitted masonry should be primed with suitable Asphalt Primer and then allowed to dry thoroughly before coating with mastic.

Cleaned metal surfaces can be effectively primed with Plumbote No. 267 cobalt asphalt emulsion. Other primers which have been satisfactorily used are I-Special Specification *gray red lead*, zinc chromate alloy and wash primer. It is particularly important to allow adequate drying time, when using lead as a primer, before coating the surface with chromicous materials.

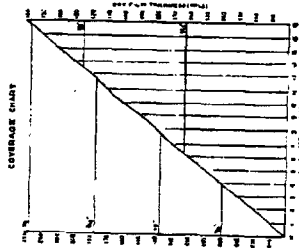
Fluorite C-13-CaE Emulsion (negative) may be applied by towel or brush. Soft brushes free from stiff bristles which cut the film should be used. The material applied in a spreading manner makes it easy to keep back cracks to a minimum. Spray grade C-13-CaE Emulsion may be applied, as received, by means of a pressure gun or air-operated spray pump. Heat is recommended for applying Fluorite emulsion. The following suggestions may be used as a guide in selecting the proper temperature:

Revenue not - Overhead at 100.00

run Pump • approximately 84 in.
• material hose • 3/4" I. D. may be reduced to 1/2"
• 3-5 feet behind gun for ease of handling

at Home - 4th I. D.

array Guo - [array] atomizing with U's m32-10



ing: Asphalt Emulsion coatings have a drying time dependent upon temperature, humidity, air movement and the thickness of coating applied. It is essential that good drying conditions be observed in order to insure the possibility of loss of film due to wash away by early rainfall. *Wash is inevitable - do not*

**Use only clean containers. Brushes, spray
nozzles and other tools should be soaked in water
kept immersed when not being used. Dried
material may be removed with kerosene or petroleum
solvent. Place in water before using again.**

Use - Avoid Frostbite
Asphalt emulsion coatings must be protected from freezing in shipping and storage. Apply when temperatures are over 45° F., and protect from rain or snow until completely dry. The dried coating is cured by freezing temperatures.

5 gal., 30 gal., 5 gal., 1 gal.
for case



NUMBER 232
ISSUE 41-B

PRODUCT DATA

GENERAL OFFICES - THE FLINTKOTE COMPANY, 40 SORELLS PLAZA, NEW YORK 30, N. Y.

FLINTKOTE ASPHALT PRIMER

General purpose, thin asphalt primer in solvent vehicle - used on all types of surfaces in preparing them for asphalt coatings - applied by brush or spray.

MEETS FEDERAL SPECIFICATION SS-A-781

GENERAL

Flintkote Asphalt Primer is a solution of highly durable, soft asphalt of about 40 penetration. It is a general priming coat for concrete, gypsum, cinder block, brick and masonry surfaces over which built-up roofing, waterproofing, dampproofing or other asphalt coatings are to be applied. The solution readily penetrates the pores and seals dusty surfaces of masonry to provide a firm bond for such coatings - hot or cold, cutback or emulsion types. Seal is likewise effectively prepared for asphalt protective coatings by the application of Flintkote Asphalt Primer.

This primer is not intended as a coating or as a finish. For a heavier, harder asphalt primer which is also a coating, Flintkote No. 257, a glossy asphalt enamel, is recommended.

DIRECTIONS FOR APPLICATION

Preparation of Surfaces: All surfaces to be primed with Flintkote Asphalt Primer must be dry and free from oil, grease, rust, scale, loose paint and dirt.

Application: Apply by brush or spray at the rate of 200 to 500 sq. ft. per gallon depending on the nature of the surface.

Case of Tools: Brushes, spray equipment and other tools may be cleaned and dried material removed by the use of Varasol or white gasoline.

Caution: Flintkote Asphalt Primer is inflammable. Do not use near open flame and provide adequate ventilation to protect applicators from solvent fumes. Keep containers covered when not in use.

Containers: 1 gallon, 5 gallons, 40 gallons, 55 gallons.

and masonry surfaces in concrete industrial exposures. Can be applied in thick films to vertical surfaces without sagging.

Flintkote Tinned Mastic - A heavy bodied, uncolored, plastic coating for use as a below grade waterproofing and for thermal insulation protection. Highly reinforced with asbestos fibers and mineral fillers to provide the maximum in film durability. It is easily used as a flashing and asphaltic caulking cement in construction.

Flintkote Bitumast No. 232 - A black and plasticized coating for use as a protective coating on the exterior of structures into which colored granules are embedded for decorative and weatherproofing purposes.

Flintkote Universal Coating No. 219 - A quick drying, heavy bodied, flaked coating for use in protecting the under-surfaces of motor vehicles. High adhesion coating gives excellent resistance to abrasion from flying road gravel. High melt asphalt base resists corrosion from water and ice melting chemicals. A special formulation is available to meet the requirements of Federal and Military specifications.

CAUTION

Flintkote Asphalt coatings are flammable mixtures. Keep containers covered when not in use. Do not apply near open flame and allow adequate ventilation to protect applicators from solvent fumes.

CONTAINERS

55 gal., 50 gal., 5 gal., 1 gal.

NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, since such use is beyond our control, we do not guarantee the results to be obtained.

2000016

2000016



NUMBER 233
ISSUE 61-B

PRODUCT DATA

GENERAL OFFICES - THE FLINTKOTE COMPANY, 26 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

ASPHALT PRIMER NO. 241

Specialty formulated asphalt primer in solvent vehicle - used on all types of surfaces in preparing them for asphalt coatings - applied by brush or spray.

MEETS A. S. T. M. D-41-41 SPECIFICATION

Flintkote Asphalt Primer is a solution of highly volatile, asphalt formulated to meet the special requirements of this specification. It is recommended for priming concrete, gypsum, clinker block, brick and metal surfaces over which built-up roofing, waterproofing, damp-proofing or other asphalt coatings as required by the A.S.T.M. specification.

The thin solution readily penetrates the pores and seals dusty surfaces of masonry to provide a firm base for such coatings - hot or cold, cement or emulsion types. Steel is likewise effectively prepared for asphalt protective coatings by the application of Asphalt Primer No. 241.

This primer is not intended as a coating in its own right. For a better, harder asphalt primer which is also a coating, Flintkote No. 267, a glossy asphalt enamel, is recommended.

CONDENSED DIRECTIONS FOR APPLICATION
Preparation of Surfaces: All surfaces to be primed with Flintkote Asphalt Primer must be dry and free from oil, grease, rust, scale, loose joints and dirt.

Application: Apply by brush or spray at the rate of 200 to 500 sq. ft. per gallon depending on the nature of the surface.

Cure of Tools: Brushes, spray equipment and other tools may be cleaned and dried material removed by the use of Varal or white gasoline.

Caution: Flintkote Asphalt Primer is inflammable. Do not use near open flame and provide adequate ventilation to protect applicators from solvent fumes. Keep containers covered when not in use. Contents: 1 gallon, 5 gallons, 30 gallons, 55 gallons.

NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, since such use is beyond our control, we do not guarantee the result to be satisfactory.

0-58



NUMBER 256
ISSUE 61-C

PRODUCT DATA

GENERAL OFFICES - THE FLINTKOTE COMPANY, 10 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

FLINTKOTE NO. 267

Hard, glossy asphalt enamel - used as heavy primer or protective finish coating for metal and masonry - provides good resistance to water and weather.

GENERAL

Flintkote No. 267 has wide application as general purpose asphaltic paint where a hard glossy finish is desirable. It will withstand sustained high temperatures (up to 180°F.) without sagging or softening. It protects surfaces against weather and corrosion with a measure of durability in relation to the type of exposure and thickness of coating applied.

CHARACTERISTICS

This product is made from specially selected asphalt of high setting point. It contains a higher percentage of solids in its solvent vehicle than many asphaltic enamels or so called asphaltic "finishes."

Flintkote No. 267 is used to prime steel decks, metal lath and clips when masonry is to be laid over them. It is also recommended as a priming coat for steel prior to application of hot mastic surfacing and as a sealer for wood floors upon which asphaltic mastic wearing surface is to be installed.

Flintkote No. 267 is likewise used as a prime coat over masonry. The material will penetrate into the pores and will assure a good bond on masonry surfaces. It is particularly effective as a primer under the various Flintkote Protective Coatings such as C-13-HPC, C-13-E, C-13-CA, C-13-A, because of the fact that in some cases there are conditions do not penetrate the fine pores and the dusty surface of masonry. The combination of Flintkote No. 267 and Flintkote clay emulsion

asphalt protective coatings gives a long-lived protective coating having low moisture vapor transmission.

When aluminum window frames and other metals are placed in contact with masonry, the alkali from the concrete and mortar may corrode the metal. Flintkote No. 267 is an excellent protective coating for metal under these conditions.

DIRECTIONS FOR APPLICATION

Preparation of Surface:

All surfaces to be primed or coated with Flintkote No. 267 must be clean and dry, free from rust, oil, grease and dirt.

Application:

Apply by brush or spray at the rate of one gallon to 200 to 300 sq. ft. Exposed surfaces should receive two coats with full coverage and uniform film thickness. If more than one coat is applied, allow approximately six hours drying time between coats.

This product may be thinned if necessary for ease of application by the addition of Varal or white gasoline.

Cautions:

Flintkote No. 267 is FLAMMABLE and suitable precautions must be taken during application to avoid sparks or flame and provide adequate ventilation for workers. Keep containers covered when not in use.

Containers:

1 gallon, 5 gallons, 50 gallons, 55 gallons.

NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, since such use is beyond our control, we do not guarantee the results to be obtained.

201060



NUMBER 227
ISSUE 61-8

PRODUCT DATA

GENERAL OFFICES • THE FLINTKOTE COMPANY, 10 ROCKEFELLER PLACE, NEW YORK 20, N. Y.

FLINTKOTE NO. C-19

Vapor barrier coating for protection of heat-treated and heavy duty corrosion resistant coating for industrial uses.

GENERAL

Flintkote No. C-19 is a medium consistency coating made from a blend of special synthetics and reinforced with a relatively high percentage of asbestos fibers. It is designed to give an extremely tough moisture vapor barrier when applied as a coating over dry, clean surfaces. It is formulated for smooth, fine application by conventional spray equipment (push and retract methods may also be used) to provide a protective film many times the thickness of paint.

CHARACTERISTICS

The properties of Flintkote No. C-19 have been selected for flexibility and adherence to provide a coating which demonstrates exceptional durability under severe exposure and a tough elasticity to withstand shock and vibration as well as normal expansion and contraction without cracking. It is not subject to brittleness or checking under cold and resists sagging or flow at unusually high temperatures of 250° F. to 300° F. The dried

TYPICAL PROPERTIES

COAT	C-19
Type	Solvent type asphalt mastic flamed with asbestos
Volume weight ^{a)}	10.5 lb./gal.
Specific gravity per gallon at 77°F.	1.3
Consistency	50% High solvent, as batch.
Temperature range for application	50° - 120° F.
Solids content, % by wt., average	61.5
Film appearance	Black mastic type.
Average coverage, sq. ft./gal. of coating for 1/16" of film	16
Build	3/32" wet film on vertical surfaces as 80% does not slump or sag. Permitted to spray to 1/8" wet film depending on the surface.
Average drying time of 3/32" wet film, 60% R. H., 77°F ^{a)}	1 hr.
To touch	30 min.
Flash point, Tag Open Cup, 1° F.	180 min.
Outdoor weathering performance	Excellent. Films do not check or crack and remain intact on long exposures.
Flex of cured film at 120° F.	None. See 100% recommended for continuous exposure above 125° F.
See long resistance, 1/16" dry film complete penetration of steel panel, 100% humidity	90.
Condensation resistance, 1/16" dry film on steel plate, 100% humidity	None.
Moisture vapor permeability at 80° F., 1/16" dry film	Less than 0.02.
Resistance of cured film	Not resistant.
To oils, greases, solvents	Excellent.
To acids and alkalis	Excellent. On 5% sandblasting pattern, 90 psi, film degrades less than 100% in thickness.
To abrasion by sandblast	1.0
Estimated Thermal Conductivity of cured film, Btu/in. sq. ft. 1" thickness	Excellent. No film flow or falling of asphalt. Floor coating of film less than one minute after burning flame is removed.

^{a)} Except for Odorous product in prepared with Vapor asphalt and has a minimum flash of 400° F. TOC, and a dry time to touch of 1-1/2 hours, and film of 14 hours.

NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, since such use is beyond our control, we do not guarantee the results to be obtained.



PRODUCT DATA

GENERAL OFFICES: THE FLINTKOTE COMPANY, 20 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

FLINTKOTE TROWEL MASTIC

Trowel consistency solvent type asphalt cement containing asbestos and mineral stabilizers.

Meets Fed. Spec. SS-C-183 Type 1

GENERAL

Flintkote Trowel Mastic is made from selected asphalt, asbestos fibers, mineral stabilizers and petroleum solvents. It is supplied in a smooth, easy working, plastic consistency; adheres to brick, mortar, concrete and steel and remains elastic, expanding and contracting with the surface on which it is applied.

RECOMMENDED USES

This product is especially recommended for trowel application to the interior surfaces of exterior masonry walls above grade and to back up various facing materials used in construction. It serves to provide a barrier to moisture and water vapor which may penetrate the walls. It renders the entrance of water through joints, cracks or porous mortar.

Flintkote Trowel Mastic is likewise recommended for coating exterior masonry walls below grade. Its strength and adhesion serves to retard the entrance of ground water into or through such walls. It is not intended, however, to bridge open holes or seal surface cracks.

The installation of spandrel cloth or reinforcing membranes to protect beams, metal sash, skylights, flashings or effecting various roof repairs is facilitated by the use of Flintkote Trowel Mastic as an adhesive under the membrane and for coating over

it. The dried film has high resistance to weathering and excellent durability to all seasons and uses to which such coatings will normally be exposed.

Flintkote Trowel Mastic finds many uses in industrial installations for waterproofing thermal insulations. Its unique cohesive working properties recommends it for coating irregular surfaces such as valves, flanges and cutting joints and cracks prior to final coating of large surfaces. Due to its rapid tight dried film, it has been widely used as a heavy bodied coating on boiler settings to retard the progress of air.

COVERAGES CHART - FLINTKOTE TROWEL MASTIC

NET FILM THICKNESS	GAL. PER 100 SQ. FT.	SQ. FT. PER GAL.
1/16"	4	25
3/32"	6	16
1/8"	8	12
5/32"	10	10
3/16"	12	8

APPLICATION DIRECTIONS

Preparation of Surfaces - All masonry or steel surfaces must be clean and dry, free from rust, loose path, dust and other foreign matter. Masonry which is porous can be primed advantageously with Flintkote Asphalt Primer before applying Flintkote Trowel Mastic. Thermal insulation should likewise be primed before final coating.

NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, their use without a beyond our control, we do not guarantee the results to be obtained.

Insulation - Must be dry and free from dirt and dust. Porous surfaces should be sealed with a thin primer coat of Flintkote Asphalt Primer. Then joints or bonds should be sealed with the caulking compound with Flintkote Trowel Mastic prior to applying the coating.

COVERAGE

Rate of application shall be determined by the severity of the anticipated exposure; however, 8 gallons per 100 sq. ft. (1/8" wet film) is generally recommended for most applications. Low areas receiving impact or other physical damage the use of the mastic coating must be such as Flintkote "Yellow Jacket" or "Yellow Jacket" in hard cases the membrane must be completely finished in the coating.

COVERAGES CHART - FLINTKOTE NO. C-19

THICKNESS	COVERAGE			S. F.
	DRY FILM	GALLS. PER 100 SQ. FT.	PER GAL.	
1/32"	.002"	2	50	50
1/16"	.004"	4	25	25
3/32"	.006"	6	16.6	16.6
1/8"	.008"	8	12.5	12.5

EQUIPMENT

Flintkote No. C-19 may be applied directly from the drum without addition of other materials. If low temperatures cause a thickening, the product may be thinned with a small quantity of mineral spirits. Flintkote No. C-19 may be sprayed, using a standard air line from pump of a 10 or 12 to 1 ratio. A mastic type sprayer with a 1/4 inch round nozzle of the internal diameter type is recommended. Air hose shall be 1/2" I. D. and consistency is achieved when material temperature is about 70° F.

CARE OF TOOLS

Spray equipment and other tools may be cleaned and dried material removed with petroleum solvents. Mineral spirits, kerosene or white gasoline.

CAUTION

Flintkote No. C-19 is a flammable mixture. Keep container covered when not in use. Do not spray near open flames and allow adequate ventilation to protect applicators from solvent fumes.

CONTAINERS

55 gallons, 5 gallons.

film of this coating is fire resistant to the degree that it does not burn. C-19 is classified as a Type I barrier as indicated by the values in the table of physical properties above. Due to the internal reinforcing of the coating by asbestos fibers the dried film is highly resistant to abrasion and physical damage such as is likely to be encountered in industrial applications.

The manufacturer of Flintkote No. C-19 is carefully controlled to produce a smooth, homogeneous film free from lumps. Careful attention is given to the curing process, and the product is capable of application in thick, continuous layers, flowing or slumping when applied to vertical surfaces.

RECOMMENDED USES

Insulation Protection - This coating is especially suited for application over thermal insulations when the surface temperature of the steel line or tank is above ambient. Then these conditions prevail the mastic coating will protect the insulation from the moisture and applied insulating. The use of a vapor barrier coating such as C-19 will prevent moisture condensation in the insulation and corrosion of the metal surface. The resistance of the applied film to mild chemical attack and abrasion offers further protection to the insulation under actual service conditions.

Heat and Masonry Protection - Flintkote No. C-19 is highly recommended for use as an insulating and protective coating on masonry and other exterior surfaces. The mastic coating is likely to be recommended. The mastic coating of the film by asbestos fibers affords the use of thick, durable coatings which will withstand the attack of many corrosive chemicals and will not sag or slump when exposed to moderately high temperatures.

Where required, the application of Flintkote Asphalt Base Aluminum Paint to Flintkote No. C-19 finish is desirable, weather resistant, reflective finish.

APPLICATION

Surface Preparation

Metal - Must be clean and dry, free from oil, grease, rust and other foreign matter. Sandblasting is preferred but when not available, other accepted cleaning methods such as flame cleaning, scaling or wire brushing may be used. If accepted by the customer in charge. Flintkote No. 267 (asphalt caulk) is recommended primer before application of cleaned metal is required in corrosive atmospheres.

Masonry - Must be clean and dry, free from oil, grease, silt and other foreign matter. Flintkote Asphalt Primer should be used on masonry or porous surfaces before applying coating.



NUMBER 241
ISSUE 63-B

PRODUCT DATA

GENERAL OFFICES • THE FLINTKOTE COMPANY, 30 ROCKEFELLER PLACE, NEW YORK 20, N. Y.

FLINTKOTE No. 69 INSULATION COATING.

Heavy Boiled Solvent Type Coating — Provides Corrosion Protection,
Thermal Insulation and Anti-Drip from Condensation.

Care of Tanks — Dried material may be recovered with petroleum solvents such as white gasoline or kerosene.

CAUTION:

Flintkote Trowel Mastic is flammable and Glass Fabric is recommended where extra fire-
resistance is required on applications such as areas
susceptible to problems and protecting certain thermal
insulation installations. Where insulating is in-
practice, Flintkote Semi-Instant No. 214 or
Flintkote No. C-19 for brush or spray application is
recommended (see product data sheet numbers
236 and 237).

Containers — 55 gallons, 30 gallons, 5 gallons,
1 gallon.

GENERAL

Flintkote No. 69 Insulation Coating is an asphalt
coating which has been filled with granulated cork
particles and asbestos fibers to a consistency
which is easily sprayed as normal atmospheric
temperatures. It is designed to provide thermal
insulation and corrosion resistance to most indus-
trial equipment surfaces. It is highly resistant to
chemicals, acids, alkalis, and solvents. The coating
at the applied film will retain an appreciable
amount of condensed moisture when used as an
under-surface in humid atmospheres.

The base for No. 69 Insulation Coating is a
selected asphalt blend having a high softening
point. For elevated temperature service, yet it is not
burnt when subjected to cold. The level of heat
resistance is determined by the thickness of the
coating, which can be applied in thick films
without sag or flow of the dried film at temperatures
up to 200°F.

Flintkote No. 69 Insulation Coating is recom-
mended for use on air conditioning ducts, ventila-
tion passages and the interior of metal panels.
Buildings to protect the interior of metal panels
from corrosion. It is effective as a water vapor
and thermal insulator in this type of installation.
It is an effective insulation when used on tanks and
vessels whose operating temperatures do not
exceed 200°F.

Steel, wood, concrete and numerous composi-
tive surfaces can be coated with Flintkote No. 69
Insulation Coating to provide the type of protection
described above.

CHARACTERISTICS

Flintkote No. 69 Insulation Coating bonds
tightly to prepared surfaces over a wide range of
temperatures. It retains its strength and
adhesion from minus 200°F. to plus 200°F. It has
excellent resistance to water, weathering, and
acid, alkalis and corrosive industrial fumes.
Flintkote No. 69 Insulation Coating has a thermal

conductivity ("K" value) of 0.65 - 0.70 BTU's per
hour per sq. ft. per "K" temperature difference per
one inch thickness. The sound decay value is 3.5
decibels per second at 70°F. for a coverage of 1/10
inch thickness.

RECOMMENDED APPLICATION

While primarily intended for spray application,
Flintkote No. 69 may be applied by brush or trowel
in small areas. Due to the solvent present in the
formulation, ventilation must be provided for wet-
ness when coating is being installed in confined
spaces and protection from fire or open flames must
be taken to prevent any fire hazard.

Surface preparation is important. Surfaces must be
clean and free of dirt, oil, grease, and loose material.
Factory for this product includes Johnsons Pump
Model 8000, 41 ratio; Graco Pump Model 8000,
8:1 ratio or a standard pressure gun (such as De
Vilbiss) in conjunction with an Felpac spray gun
modified Model 1516 or the Johnsons Special Poly
Gun. A feed diameter of 1/2 inch is suggested, and
an orifice diameter of 3/8 inch for the Felpac gun
and 1/2 inch for the Johnsons.

PREPARATION OF SURFACES

All surfaces should be cleaned thoroughly of
any dirt, scale, rust, paint, dirt, oil and grease.
Surfaces should be dry, clean, and free of moisture.
Surfaces should be prepared with good coating practice. Rusted
metal should be spot primed; porous or dusty
concrete and wood should be primed with a thin
penetrating rubber asphalt (such as Flintkote
Asphalt Primer). Clean metal and dense concrete
normally do not require a primer and wood must be
primed to prevent the absorption of moisture from
within the material.

Flintkote No. 69 Insulation Coating.

APPLICATION

Apply evenly with full coverage of approxi-
mately 1/4 inch thickness (wet), about 1/4
coat in two of 1/8 inch each. Coverage of 1/4
inch total thickness (wet) amounts to about 16
gallons per 100 sq. ft.

NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be
reliable. However, into such use is beyond our control, we do not guarantee the results to be obtained.

DRYING
Asphalt emulsion coatings have a drying time which is dependent on the temperature, humidity, thickness of application and rate of air movement over the exposed surface. Exposed areas of coated spots will take longer, and the use of mechanical drying then necessary. Complete drying of the film will usually require 30 - 60 days under normal conditions.

CARE OF TOOL:
Use only clean containers. Brushes and tools should be washed in solvent such as kerosene when

not being used. Occasional rinsing of spray guns and other equipment will prevent gumming. Follow the recommendations of spray equipment manufacturers in cleaning spray pumps, lines and guns.

CAUTION

Flintkote No. 69 Emulsion Coating contains flammable solvent. Do not use or store near open flames. For best results, application should be made at a temperature of 60°F or higher.

CONTAINER

35 gallons and 1/2 gallon. Net weight per gallon, approximately 6.7 lbs.



NUMBER 314
ISSUE 63-A

PRODUCT DATA

GENERAL OFFICES - THE FLINTKOTE COMPANY, 30 ROCKWELL PLAZA, NEW YORK 20, N. Y.

FLINTKOTE C-13-AL

Reflective protective coating - odor-free water vehicle-vapor permeable dried film.

GENERAL
Flintkote C-13-AL is a unique coating in which aluminum pigment is intimately incorporated into an asphalt emulsion of the mineral colloidal type. The coating is further reinforced with a polymerized resin to form a tough metallic-type coating in which the metal pigment is evenly dispersed throughout the film from top to bottom.

CHARACTERISTICS AND SUGGESTED USES

The use of a mineral colloidal asphalt emulsion base assures the use of the excellent weathering properties found in other Flintkote emulsion protective coatings. The dried film will not flow when subjected to heat, retains its flexibility at low temperatures and has a high resistance to abrasion. The bright metallic sheen on prolonged exposure. C-13-AL, when dry, has a warm vapor permeability similar to other mineral colloidal

asphalt emulsions. Since no solvents are used in the preparation of this product, the coating is odor-free in both the wet and dry state.

The properties of Flintkote C-13-AL recommend it for coating over permeable insulation weather-coats since as use will not retard the moisture vapor transmission through the insulation. Flintkote emulsion coatings will not allow water to enter through the dried film.

Because of its odor-free, non-toxic properties, C-13-AL is ideal for use in food storage rooms and food containers. Its highly reflective surface will increase visibility in enclosed areas.

Flintkote C-13-AL provides a pleasing appearance when used in conjunction with other Flintkote protective coatings for protection of structural steel, masonry and industrial buildings.

PHYSICAL PROPERTIES

Type Mineral Colloidal Asphalt Emulsion Pigmented with non-drying Aluminum

Vehicle Water

Weight, Pounds per gallon 77.4

Solids, Content, % by wgt. Ave. 46

Coverage 100-125 S. F. Per Gallon

Build 1/16" wet film on vertical surface show no slumping

Application Brush or Spray

Drying Time (Ave.) To Touch Film 4 hours 12 hours

Flammability Wet Film Dry Film Not Flammable by itself. Greatly retards flammability when used over bituminous coatings.

Permeability (perm.) 1.0 at coverage of 2 gals./100 S. F.

NOTICE: The recommendations for use of Flintkote Products are based on tests believed to be reliable. However, since such use is beyond our control, we do not guarantee the results to be achieved.



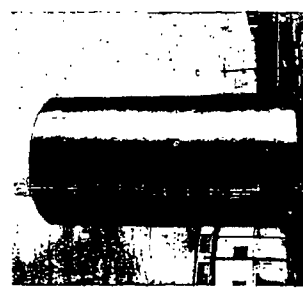
NUMBER 301
EQUIP 61-D

PRODUCT DATA

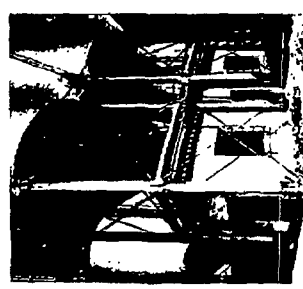
GENERAL OFFICES - THE FLINTKOTE COMPANY, 30 JEFFERSON PLAZA, NEW YORK 10, N. Y.

FLINTKOTE ALUMINUM PAINT

(Asphalt Base) High light reflectivity - decorative paint. Use on roofs and tanks reduces interior temperatures - protects metal from corrosion.



Flintkote Aluminum Paint applied over steel for corrosion protection and reduced interior temperature.



"Brickless Up" with Flintkote Aluminum Paint. Shown here applied to both metal and masonry.

APPLICATION
Flintkote C-13-AL should be applied to surfaces which have been freshly primed or coated with an asphaltic base. Flintkote Primer or C-13-APC emulsion coating is recommended. Weather coatings such as Flintkote C-13-AL or Thermakote also provide a satisfactory base for the application of C-13-AL. A touch-up film should be allowed to cure thoroughly while emulsion coatings are still wet. The film should be sufficiently set as to not be disturbed by handling.

CAUTION
Flintkote C-13-AL is a water vehicle product and must be protected from freezing in shipping and storage. Apply at temperatures above 40°F and the coating must be protected from rain or freezing until air, water, freezing weather, snow or ice will not affect the dried coating.

C-13-AL contains a pH buffering chemical which will keep out of the dried film. When subjected to rain or condensation which has been chemically subjected to minimum freezing exposure, this chemical will produce a slight yellowish cast to the film but the effect is temporary and will disappear with additional moisture.

CONTAINERS
55 Gallon Drums, 5 Gallon Pails.

GENERAL
Asphalt base type of aluminum paint is especially recommended because of its flexible film and high weather resistance; wherever a light reflective paint is desired. As the vehicle is compatible with asphaltic coatings, perfect bonding of the paint film is assured when applied over asphalt coatings and roads. Excellent water vapor resistance is also obtained. Flintkote Aluminum Paint is recommended also for use over metal and masonry, and painted wood.

CHARACTERISTICS
Flintkote Aluminum Paint is made with selected asphalt, the finest grade of aluminum flake and solvents, all combined chemically and physically to provide a brilliant, durable, decorative paint, requiring no further color treatment. It is factory mixed and ready to apply by spray or brush, merely requiring stirring. It was developed originally for use

over thoroughly dirted asphalt concrete type protective coatings, and smooth surfaced or granule coated roofing in order to give high light reflectivity over dark or normally dark surfaces.

RECOMMENDED USES

There is a light color or light reflective surface is desired in buildings, warehouses, parking lots, etc. Flintkote Aluminum Paint is recommended for Flintkote Aluminum Paint be applied over a relatively heavy film of Flintkote asphalt base clay emulsion protective coating. In excellent system of protecting masonry walls, concrete, etc., apply Flintkote Primer, then apply Flintkote Aluminum Paint. (Type C-13-APC) or (Type C-13-AL) at the rate of not less than 3 gallons per 100 sq. ft. of surface. When the emulsion is thoroughly dry, a spray application of Flintkote Aluminum Paint in a coverage of 1 gallon per 100 to 150 sq. ft. will give a durable, water resistant and beautiful finish plus a surface having

NOTE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, since such use is beyond our control, we do not guarantee the results to be completely satisfactory.

20-0018



PRODUCT DATA

GENERAL OFFICES • THE FLINTKOTE COMPANY, 20 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.

DECORALT*

Specially compounded latex base, heavy-duty seal coating for masonry building restoration

*Trade Name of The Flintkote Company

such as floors, drives, tennis courts and patios. (See Product Data Sheet No. 304 for details of coating procedures).

RECOMMENDED USES (Wall and Masonry Coatings)
Flintkote DECORALT is applied to masonry walls or structures as a sealer and decorative coating to resist weather and enhance appearance through choice of color. Two coats are recommended.

Leaky Masonry Walls:

Spalled, cracked, excessively porous or parged masonry may be effectively sealed. First, open cracks and joints must be repaired with a waterproof asphalt mastic and glass cloth fabric. Second, a thin, penetrating coat of Asphalt Primer is applied. Third, a heavy bodied coat of Flintkote C-11-IPC Emulsion (cold applied clay sealant) for complete surface dampproofing. After thorough drying of the asphalt coating, Flintkote

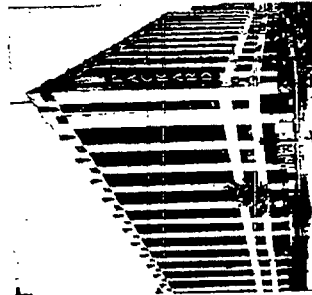
GENERAL
Flintkote DECORALT is a heavy bodied, compounded latex base coating fortified with minerals and adhesives. It has superior low temperature flexibility and high strength bonding properties which adapts it to coating fresh or old concrete and to use over cracked asphalt. In addition, it provides excellent resistance to oil, grease and many normal chemicals.

CHARACTERISTICS

This product is supplied in concentrated paste form which is diluted for use as a coating with cool, clean water to the extent of 40% - 1:1. One volume of water to two volumes of DECORALT. Somewhat less dilution is used for spray application and depends on the nature of the equipment.

Two separate functions exist for DECORALT.

- (1) Wall surfacing and (2) walking surfaces



Application of Decorealt on building above at left provided a weather resistant sealing coat of uniform color.

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to wood and porous masonry over a thin coat of primer. The primer is applied to the surface to be coated, for direct application to stone or hot water pipes or enclosures.

DIRECTIONS FOR APPLICATION

Preparation of Surfaces:
All surfaces must be thoroughly dry and free from dirt, oil, grease, and other contaminants. Surfaces that exhibit staining, efflorescence or rust, should be allowed to dry thoroughly (at least a week) under good drying conditions before application of the paint.

Application:
Flintkote Aluminum Paint is factory mixed and ready to apply. Like any paint, stir thoroughly before using.

It may be applied by brush or spray, using conventional equipment. Best results in uniform film coverage and brilliance, however, are obtained by spray. For brush application, it is preferable to apply the paint in two coats in order to avoid holidays in the film due to brush marks.

Cautions

Flintkote Aluminum Paint is a combustible mixture. Do not apply near open flames. The flash point is over 100 degrees F. Therefore, no hazardous fumes or vapors are evolved. Precautions are observed in applying the paint in enclosed spaces, adequate ventilation should be provided.

Containers: 5 gallons and 1 gallon.



Sheet steel structures are given longer life and lower inside temperature with Asphalt Protective Coating followed by Flintkote Aluminum Paint.

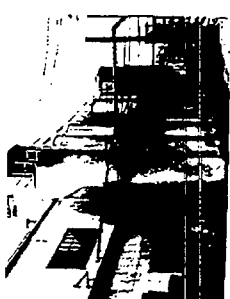


Higher interior and better resistance to corrosive elements are obtained by use of Flintkote Aluminum Paint on steel framing and underside of roof.

An extremely low moisture vapor transmission rate. Such a system is particularly applicable in buildings where air conditioning equipment or refrigeration is installed.

Flintkote Aluminum Paint may be applied directly to asphalt roof coating, smooth surfaced or granule coated roofs. The high reflectivity of the paint will materially reduce the temperature inside the building. However, it will serve to prolong the service life of the roof by preventing the asphalt coating from becoming brittle and cracking under the protection against direct contact with sun, wind and rain.

For decorative purposes and corrosion protection equal to paint film thickness, Flintkote Aluminum Paint may be applied directly to steel, concrete, or



Insulated storage tanks and metal buildings are protected and given better appearance with Flintkote Aluminum Paint.



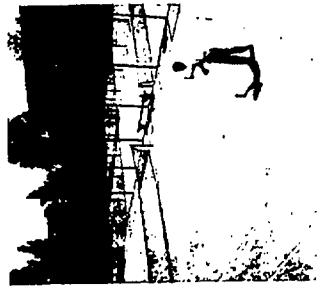
PRODUCT DATA

GENERAL OFFICES - THE FLINTKOTE COMPANY, 30 ROOSEVELT PLAZA, NEW YORK 30, N. Y.

DECORALT®

Colored Seal Coatings for Asphalt Tennis Courts, Walks, Drives, Parking Areas, Roof Decks and Playgrounds.

• Reg. U.S. Pat. Off.



DECORALT is the ideal for coating asphalt paved tennis courts.

Asphalt patio pavements may be coated with DECORALT to create pleasing color effects.

use for coating exposed concrete such as walls, piers, bridge sills, etc.

Then liquid bituminous coatings are heavily pigmented to obtain red, green or gray colored toppings, they have considerable strength from the amount of pigment required to overcome the black color. Flintkote DECORALT Coatings, on the other hand, being of light base, permit better retention of the color pigment without weakening the binder. In the case of tennis court toppings the color does not track or dirt off on tennis balls as in other cases with pigmented asphalt.

Flintkote DECORALT Coatings are applied in a film thickness which is many times the thickness of paint, and this thickness together with the abrasion resistant materials in the compound assures long wear and durability under ordinary traffic.

The use of green DECORALT as finish coating on asphalt paved tennis courts and playgrounds will result in a marked reduction of temperature due to solar heat.

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Flintkote DECORALT Coatings are heavy bodied, fortified compounds, having an acrylic latex base. They are intended to be diluted with water prior to application. Mineral reinforcing fillers impart toughness to the coatings which make them resistant to a considerable amount of wear under traffic.

These coatings provide excellent bond to asphalt surfaces and completely change the color of the base. The superior low temperature flexibility and high strength bonding properties of the base provides resistance to weather and water, cracking and chalking. DECORALT Coatings also resist oil, grease, anti-freeze solutions and many chemicals.

USES

There are many instances where it is desirable to impart color to asphalt surfaces, as on tennis courts, playgrounds, patio pavings, driveways, walks, patios, roof decks or other surfaces. Flintkote DECORALT Coatings have also found

DECORALT is applied as a seal and color coat, unlike many paints which cannot be applied over asphalt. DECORALT creates no solvating action as it is softer asphalt which in itself is not different.

Color coating insulation

Many of the most common problems in the insulation industry are caused by the use of black or dark colored insulation. This insulation absorbs heat and radiates it back into the space being insulated. If such insulation is applied to the exterior of a building, it will absorb heat from the sun and radiate it back into the building. This is a serious problem in warm climates. DECORALT can be applied to the exterior of a building to create a light colored surface which reflects heat and keeps the building cool.

DIRECT

DECORALT can be applied directly to the surface of the material being insulated. It can be applied to the exterior of a building, to the interior of a building, or to the surface of a pipe. It can be applied to the surface of a pipe, to the surface of a wall, or to the surface of a ceiling. It can be applied to the surface of a pipe, to the surface of a wall, or to the surface of a ceiling. It can be applied to the surface of a pipe, to the surface of a wall, or to the surface of a ceiling.

1 ft



Application of Decortite to all concrete areas provided uniformity in color as part of the restoration of this 25 year old building.

23208

NUMBER 313
ISSUE 61 - 8

PRODUCT DATA

GENERAL OFFICES - THE FLINTKOTE COMPANY, 30 ROCKEFELLER PLACE, NEW YORK 30, N. Y.



YELLOW JACKET MEETS FED. SPEC. HH-C-00466a 20 x 10 mesh

GENERAL

Flintkote Yellow Jacket is a woven glass mesh reinforcing membrane of distinctive color for easier application. It is manufactured to meet the requirements of Federal Specification HH-C-00466a.

It is recommended for use wherever integral reinforcement of applied coatings is required such as waterproofing, damp-proofing, chemical protective coatings and similar applications.

protecting valves, fittings and other irregular surfaces. The presence of glass fabric greatly increases the resistance to impact of applied films.

PROPERTIES

Type:

Woven glass mesh treated with synthetic resin coating.

Color:

Yellow.

Mesh Size:

20 x 10.

Breaking Strength:

M. D. - 8700 77% Min.

C. D. - Filling 77% Min.

Packaging:

Units

1 - 40' x 150' Roll (600 sq. ft.)

1 - 30' x 150' Roll

3 - 12' x 150' Rolls (450 sq. ft.)

6 - 6' x 150' Rolls

12 units per carton.

CHARACTERISTICS AND USES

Flintkote Yellow Jacket is manufactured with a coating of synthetic resin which is compatible with cold-applied coatings of asphalt and coal tar and resins. Its distinctive yellow color is of great assistance to the applicator in making certain that the fabric does not "float" to the top of the coating and that complete coverage is obtained in applications made under conditions of poor lighting. The resin coating is non-tacky even at elevated temperatures assuring no sticking in the rolls - permits easy unrolling and no unraveling.

The strong glass fibers provide the reinforcement needed in waterproofing and protective coatings for bridging cracks caused by structural movement and building vibrations. The woven mesh construction is also of assistance in obtaining greater wet film build for heavy duty applications. Widely used in thermal insulation applications, it is of value in reinforcing waterproofing films and in

second coat may be applied almost immediately after the first, or as soon as all solvents have disappeared. Drying time is about 24 hours in humid days and slightly longer than in sunny weather. The newly coated surface may be opened to traffic in a few hours, normally.

Spray Application: DECORALIT may be sprayed with specially selected pressure pot equipment. Request information from the manufacturer on types and dilutions of material.



DECORALIT and coatings are easily applied. The "Fullerton Blade Sweep" brush shown here is preferred for rapid, economical coverage. (Consult these tools.)

Cure of Tools: Rinse brushes and other tools in water before and immediately after using. Dried material can be removed with lacquer solvent.

CAUTION:

Do not apply when temperature is below 55°F (preferably 60°F or higher). Avoid rain or freezing weather, and protect from both until thoroughly dry. Keep from freezing in the container by storing indoors.

Colors: Red, green, cement gray, white.

Containers: 55 gallons, 30 gallons, 5 gallons, 1 gallon.

First to application of Flintkote DECORALIT the asphalt surface is cleaned thoroughly by hosing with water.

APPLICATION

Supplied in concentrated form, Flintkote DECORALIT Coatings are diluted or thinned to one-half volume of water. (See product label for specific diluting instructions.)

Coverage will vary somewhat with porosity and texture of the base. For smooth, dense-grade surfaces, DECORALIT should be applied to a total coverage of 100 to 150 sq. ft. per gallon. Two coats of DECORALIT are recommended and on this basis, 200 to 300 sq. ft. per gallon, per coat. In spots of greatest wear, such as at the base lines of drains, curbs, or in more extra coats is desirable.

Preparation of Surface: Asphalt surfaces should be well cured, clean, free from grease, oil, dirt and other foreign matter. Flushing with water under pressure from a hose and brushing will remove loose dirt. The asphalt surface may be damp but not wet (no puddles) when the DECORALIT Coating is applied.

Brush Application of DECORALIT: Stir the mixture occasionally with water. Additional stirring distribution throughout the liquid.

A short bristle brush (Angus or nylon) or push broom, are preferred applying tools. Brush only enough coating to obtain uniform coverage. The

NOTICE: The Recommendations for use of Flintkote Products are based on tests believed to be reliable. However, users who use it beyond our control, we do not guarantee the results to be obtained.

FLINTKOTE



NUMBER
ISSUE

PRODUCT DATA

GENERAL OFFICES - THE FLINTKOTE COMPANY, 30 EIGHTH AVENUE, NEW YORK 16, N. Y.

UNIMASTIC CONTENT AC-2

A BREATHING FILM ASPHALT EMULSION COATING FOR USE OVER THERMAL INSULATION, HEAVY DUTY WATER AND WEATHER RESISTANT COATING FOR WIDE VARIETY OF INDUSTRIAL/COMMERCIAL USES.

GENERAL

Flintkote AC-2 is an asphalt base mineral colloidal emulsion which is manufactured by the same process used on all Flintkote clay emulsion protective coatings. It has been especially formulated for application with chipped glass roving by the Unimastic spray technique. This coating system allows the application, in a single operation, of an internally reinforced protective membrane over flat or irregular shaped surfaces with freedom from joints or laps.

CHARACTERISTICS AND USES

The manufacture of AC-2 by the Flintkote mineral colloidal emulsion process permits the use of softer, more ductile steam refined asphalt than is possible with other methods and thus greatly enhances the life expectancy of the dried film. Because of the mineral colloidal emulsifier, the dried film does not flow or sag at high temperatures while the high ductility asphalt base resists cracking or checking at low temperatures. The Unimastic spray system, which incorporates chipped glass roving fibers in the coating, produces a finished membrane which has increased toughness and tensile strength to resist stresses due to weathering and temperature changes.

Flintkote Unimastic AC-2 is a breathing film coating which is recommended for use on thermal insulations which will operate at temperatures above ambient conditions. Since the coating vehicle is water, AC-2 can be safely used over all commonly used insulation materials. It is also recommended for use as a waterproofing and weatherproofing coating over masonry or metal surfaces in a wide variety of industrial and commercial applications.

TYPICAL PROPERTIES

Base Steam refined asphalt.

Volatile vehicle Water

Consistency Heavy paste.

Solids Content, % by wt., ave. 56%

Weight, lbs. per gallon @ 77°F. - net 8.7
gross 9.7

Glass Roving Content, % by wt. of dry film 4 - 6%

BUILD

1/8" wet films on vertical surface
above no slump or sag.

232311

NOTICE: The Recommendation for use of Flintkote Products are based on tests believed to be reliable. However, since each one is beyond our control, we do not guarantee the results to be obtained.

Average drying time of 3/32" wet film
60% R.H., 77°F.
4 - 5 hours to touch
24 hours firm

Service temperature
-20 to 200°F.

Water vapor permeability 1/16" dry film
(ASTM D56-OT method B) 0.8

Flammability - wet
dry Non-flammable
burns

Tensile strength 1/16" dry film 99/100 inch width
20"/min. rate of pull 1/8" dry film 128/100 inch width

Extensibility, before rupture 1 3/4% avg.
1 1/2"/min. rate of pull

Water resistance, 24 hr. soak of cured film
(ASTM D-3010) - blistering
No-sensitization " None
Loss of adhesion to panel None

Solvent for clean up - Wet film Water
Dry film Petroleum solvents

COVERAGE CHART

Film Thickness	Gals. AC-2	Lbs. Glass	Sq. Ft./Gal.	Sq. Ft./Lb.
Per 100 S.F.	Per 100 S.F.	Per 100 S.F.	Per 100 S.F.	Per 100 S.F.
Dry	Wet	Dry	Wet	Dry
.002	.002	1.33	16.7	50
.004	.004	2.00	12.5	37.5
.008	.008	2.67	10	30
.016	.016	3.33	8.3	25
.032	.032	4.00		

APPLICATION NOTES

1. Apply only to clean, firm surfaces. Slightly damp but not wet surfaces may be coated with AC-2.
2. Application and curing must be carried out at temperatures above freezing. For best results use at temperature above 45°F. and protect from rain until dry.
3. Porous substrates may require a priming spray coat (without glass roving) to effect proper bonding of bitumastic coating.

CAUTION

Flintkote Unimastic AC-2 is a water vehicle material - X088 FROM FREEZING.
Containers 55 gallon, 5 gallon.



NUMBER
ISSUE

PRODUCT DATA

GENERAL OFFICES: THE KINTOK COMPANY, 18 ROCKVILLE PARK, NEW YORK 20, N. Y.

UNIMASTIC COATING AC-1

AN ASPHALT WATER EMULSION BASED FOR PROTECTION OF LOW TEMPERATURE INSULATION APPLICATIONS AND HEAVY DUTY CORROSION PROTECTION FOR INDUSTRIAL AREAS.

GENERAL

Unimastic AC-1 is an asbestos filled asphalt emulsion which has been designed for application with chopped glass roving by the Unimastic spray technique. This coating system allows the application, in a single operation, of an internally reinforced protective membrane over flat or irregular shaped surfaces with freedom from joints or laps.

CHARACTERISTICS AND USES

The special blend of asphalt and asbestos fibers used in AC-1 produces a coating which has exceptional flexibility for resistance to low temperatures while retaining exceptional durability to high temperatures without sagging or flowing. The incorporation of chopped glass roving fibers in the coating by means of the Unimastic spray system produces a finished membrane with exceptional toughness and tensile strength.

Unimastic AC-1 is a vapor barrier coating which is recommended for use on insulation applications over surfaces operating at temperatures below ambient conditions. Unimastic AC-1 is also recommended for the corrosion protection of masonry and metal surfaces in a wide variety of industrial applications.

TYPICAL PROPERTIES

Base	Asphalt and asbestos fiber.
Vehicle vehicle	Mineral spirits.
Consistency	Heavy bodied paint.
Solids Content, % by wt., ave.	60%
Weight, lbs./ gallon @ 77°F.	8.5 net 9.5 gross
Flash Point, tag open cup, °F.	100 +
Glass Roving Content, % by wt. of dry film	4 - 6%
RTIL	1/8" wet film on vertical surface shows no slump or sag.

Average drying time of 3/32" wet film
60% R.H., 77°F. to touch film 6 hrs.
48 - 72 hrs. approx.

Service temperature -50 to 250°F.
NOTE: The recommended use of Unimastic AC-1 is based on tests believed to be reliable. However, since each use is beyond our control, we do not guarantee the results to be obtained.

232310

Water vapor permeability 1/16" dry film
(ASTM D56-62 method B) 1/8" dry film

Flammability - wet dry

Tensile strength - 1/16" dry film
20/min. rate of pull 1/8" dry film

Extensibility, before rupture
%/min. rate of pull

Solvent for clean up

GENERAL DATA

Film thickness in.	Gals. AC-1 Per 100 sq. ft.	12a. Glass Per 100 sq. ft.	8a. Wt./gal. AC-1	8a. Ft./lb. Glass bonding
.002	4	1.33	25	75
.004	6	2.00	36.7	50
.008	8	2.67	12.5	37.5
.012	10	3.33	10	30
.016	12	4.00	8.3	25

APPLICATION NOTES

1. Apply only to clean, dry surfaces.
2. Application at temperatures below 50°F. may require the use of supplemental heat, such as line heaters, to maintain proper spraying consistency.
3. Porous substrates may require a priming spray coat (without glass roving) to effect proper bonding of linimastic coating.

CAUTION

Linimastic linimastic coating AC-1 is a flammable mixture. Keep containers covered when not in use. Do not spray near open flame and allow adequate ventilation to protect applicators from solvent fumes.

Containers

55 gallon, 5 gallon.