



Mastics, Coatings, Adhesives, Sealants

CHIL-PRUF™
CP-22 (Trowel Grade)
CP-24 (Spray Grade)
Vapor Barrier Coating

ASPHALT BASED FIBRATED CUTBACK VAPOR BARRIER AND WEATHER BARRIER INSULATION COATING

DESCRIPTION

CHIL-PRUF™ CP-22/24 is an effective asphalt based cutback fibrated vapor barrier coating for use over insulations on piping and equipment operating at low to moderately high temperatures. Properly applied, CHIL-PRUF vapor barrier coating provides protection against atmospheric corrosives, chemical dusts, fumes, fogs, and moisture. The cured coating forms a highly impermeable, tough, durable, and well-bonded finish.

USES

CHIL-PRUF™ CP-22/24 vapor barrier coating has a broad application range as a vapor and weather barrier over many types of insulations, including fibrous glass, polyurethane foams, glass foams, and other low temperature insulation materials. It is not to be used with polystyrene foam insulation.

CHIL-PRUF vapor barrier coating is recommended for use in cold and dual temperature service. As a vapor barrier coating, it is used to protect insulation over fittings, piping, tanks and tank heads, process vessels, and equipment. CHIL-PRUF vapor barrier coating also provides protection for insulation applied on underground pipelines.

ADVANTAGES

The highest quality asphalt used in CHIL-PRUF CP-22/24 vapor barrier coating provides a higher softening point than other asphalts. This results in a longer service life, greater resistance to mechanical abuse, better weathering characteristics, greater flexibility in the cured coating, and extreme resistance to weather cracking.

APPLICATION

All surfaces must be clean and dry. Do not thin. For insulated vertical surfaces, a two coat application is recommended; each coat is applied at a coverage rate of 4.85 gals./100 sq. ft. for a total coverage rate of 9.7 gals./100 sq. ft., with CHIL-GLAS #10 imbedded into the first coat, (yielding a dry film thickness of .09375). For large insulated expanses, such as tank tops or horizontal surfaces, a two coat application is recommended with CHIL-GLAS #5 or #10 glass fiber reinforcing mesh embedded between coats; each coat is applied at a coverage rate of 6.35 gals./100 sq. ft. for a total coverage rate of 12.7 gals./100 sq. ft. (yielding a dry film thickness of .125 inch). Not recommended for indoor use. CP-22 & CP-24 cannot be successfully applied by brush. CP-22 cannot be applied by spray. Outdoor horizontal surfaces must always drain completely. A pitch of at least 1/2" per foot (4 cm/m) is required.

See other side for spray equipment recommendations.

Visit us on the web at www.fosterproducts.com

GRADES AVAILABLE

CP-22 Trowel Grade
CP-24 Heavy Duty Airless Spray Grade

COLORS

Black

WET WEIGHT

8.1 lbs./U.S. gal. 0.97 kg/liter

AVERAGE NON-VOLATILE

60% to 63% by volume.

SERVICE TEMPERATURE RANGE

(Temperature to which dry film is subjected.)
-60°F to 325°F -51°C to 163°C

APPLICATION TEMPERATURE RANGE

50°F to 100°F
10°C to 38°C

DRYING TIME

To Touch--2 Hours
Through--24 Hours
Temperature, humidity and film thickness will affect drying time.

COVERAGE

Varies with substrate and membrane.
9.7-12.7 U.S. gal./100 sq. ft.
(4.0-5.2 l/m²)

CLEAN-UP

Mineral spirits (flammable), chlorinated solvent (non-flammable)

WATER VAPOR PERMEABILITY (ASTM -E96)

0.02 to .03 perms (Procedure E)
@ .094" (2.4 mm) thickness

SURFACE BURNING CHARACTERISTICS

(ASTM E-84, Tunnel Test)
Surface: Inorganic reinforced cement board
Flame Spread Index: 150

CP-22/24 contains no asbestos, lead, mercury, or mercury compounds.

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DPI

Specialty Construction Brands, Inc.

Customer Service
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800-942-6856

Spray Recommendations

CHIL-PRUF™ CP-24

The following equipment (or equal) is recommended for spray application of CHIL-PRUF CP-24 coating:

Mastic Pump - Graco 45:1 King Airless, Model 208-004 with 204-502 Inductor Plate for 55 gal. drum or 203-452 for 5 gal. pails and 207-651 air regulator, or 30:1 Bulldog Model 206-303 with 207-279 Follower Plate (Optional) with short material hose and material.

Mastic Gun - Graco Golden gun airless Model 206-718
Gun Tip - Graco Reverse-A-Clean tip 0.045 in. orifice Model No. 205-614.

Material to Hose to Gun - 6 ft. whip end, 1/2" i.d., working pressure 5,000 psi, burst 16000 psi.

Material Hose- 50 ft. overall, 3/4" i.d. 50' long, working pressure 4000 psi, burst 16000 psi.

Material Hose - 100 ft. overall, 1" i.d. 100' long, working pressure 3000 psi, 12000 psi burst.

Material Hose - 150 ft. overall, 1" i.d. 150' long, working pressure 3000 psi, 12000 psi burst.

Heat - Store in a heated area. The temperature of the CP-24 should be at least 70°F (21°C) before spraying (the capacity of inline heaters is too low to be effective.)

Air Compressor - 100 cubic ft. per minute at 100 lbs. per sq. in. minimum.

Air Hose from Compressor to Mastic Pump - 3/4"-1" i.d. 100' long.

CUSTOMER SERVICE—800-231-9541 OR 800-338-2975

IMPORTANT: Specialty Construction Brands, Inc. warrants that each of its products will be manufactured in accordance with the specifications in effect on the date of manufacture. WE MAKE NO OTHER WARRANTIES AND EXPRESSLY DISCLAIM ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If a product fails to meet this limited warranty, purchaser's sole and exclusive remedy is replacement of the product or, at our option, refund of the purchase price. OUR ACCEPTANCE OF ANY ORDERS FOR THE PRODUCT IS EXPRESSLY CONDITIONAL UPON PURCHASER'S ASSENT TO THE TERMS ON THE APPLICABLE INVOICE.

ADEQUATE TESTS: The information contained herein we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be performed by you to determine if this product meets all of your requirements. The warranted shelf life of our products is six months from date of shipment to the original purchaser.

**For industrial use only. Keep out of reach of children.
Consult Material Safety Data Sheet and container label for further information.**