



Mastics, Coatings, Adhesives, Sealants

CP-22/CP-24 CHIL-PRUF™ Insulation Coating Product Data Sheet

ASPHALT-BASED, FIBRATED, CUTBACK, VAPOR RETARDER AND WEATHER BARRIER INSULATION COATING

DESCRIPTION

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

USES

CHIL-PRUF™ CP-22/24 has a broad application range as a vapor retarder 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™ is recommended for use in cold and dual temperature service. As a vapor retarder coating, it is used to protect insulation over fittings, piping, tanks, tank heads, process vessels and equipment. CHIL-PRUF™ also provides protection for insulation applied on underground pipelines.

ADVANTAGES

The highest quality asphalt used in CHIL-PRUF™ CP-22/24 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.

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GRADES AVAILABLE

CP-22: Trowel grade
CP-24: Heavy-duty, airless-spray grade

COLOR

Black

WET WEIGHT (ASTM D1475)

8.5 lbs./U.S. gal. (1.01 kg/liter)

AVERAGE NON-VOLATILE (ASTM D2369)

60% to 64% by volume

SERVICE TEMPERATURE RANGE

Temperature to which dry film is subjected.
-60°F to 300°F (-51°C to 149°C)

APPLICATION TEMPERATURE RANGE

50°F to 100°F (10°C to 38°C)

DRYING TIME

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

COVERAGE

Varies with substrate and membrane.
10 – 13 U.S. gal./100 sq. ft. (4.0 – 5.2 l/m²)

WATER VAPOR PERMEANCE (TYPICAL AVERAGE)

ASTM F1249: 0.02 to 0.03 perms at 0.094" (2.4 mm) film thickness.

CHIL-PRUF™ COATING meets the permeance requirements of ASTM C755-19 for below ambient vapor retarder coatings.

CLEAN UP

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

H.B. Fuller Construction Products Inc.

Customer Service
800-832-9002

1105 South Frontenac Street
Aurora, IL 60504

Fax
800-952-2368

MATERIAL PREPARATION

DO NOT THIN. Stir well, but do not use sticks or boards which would splinter or otherwise contaminate the product. Apply only to clean, dry, oil-free surfaces. Keep container closed when not in use. CP-22 & CP-24 cannot be successfully applied by brush. CP-22 cannot be applied by spray. Not recommended for indoor use. Outdoor horizontal surfaces must always drain completely; a pitch of at least ½" per foot (4 cm/m) is required.

INSPECTION

Where available, it is suggested to use a National Insulation Association (NIA) certified (or other similarly certified) mechanical insulation inspector throughout the project to inspect and verify the materials and total insulation system have been installed correctly in accordance with the specifications.

Application Guide and Suggested Procedures

INSULATED VERTICAL SURFACES

A two-coat application is recommended; each coat is applied at a coverage rate of 4.85 gal./100 sq. ft. for a total coverage rate of 9.7 gal./100 sq. ft., with CHIL-GLAS® #10 Reinforcing Mesh embedded into the first coat (yielding a dry film thickness of 0.09375 inch).

LARGE INSULATED EXPANSES

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 gal./100 sq. ft. for a total coverage rate of 12.7 gal./100 sq. ft. (yielding a dry film thickness of 0.125 inch).

SPRAY APPLICATION

The following equipment (or equal) is recommended for spray application of CHIL-PRUF™ CP-24 coating. Please contact your spray equipment supplier for further spray equipment information.

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| PUMP | Graco 45:1 King Airless, Graco Checkmate pump, 68:1 ratio on 200 cc lower with NXT 6500 air motor or Checkmate pump, 63:1 ratio on 100 cc lower, NXT3400 motor |
| INDUCTOR PLATE AND RAM | For 55 gal. drum, Graco D200, or for 5 gal. pails, Graco D60 |
| FLUID HOSE | ½" ID (12 mm) minimum up to 50 feet (15 m) and ¾" ID (19 mm) over 50 feet (15 m) is recommended. Working pressure 5,000 psi, burst 16,000 psi |
| GUN | Graco Mastic or textured coating spray guns with Reverse-A-Clean tips |
| TIP SIZES | Graco Reverse-A-Clean tip 0.035" to 0.045" orifice |
| TEMPERATURE | 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) |

CUSTOMER SERVICE: (800) 832-9002

IMPORTANT: H.B. Fuller Construction Products 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 twelve months from date of shipment to the original purchaser or as otherwise provided on the certificate of analysis.

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