



Mastics, Coatings, Adhesives, Sealants

CHIL-BRATE™ CP-25

Product Data Sheet

WATER-BASED, FIBRATED, ASPHALT-EMULSION, WEATHER BARRIER INSULATION COATING

DESCRIPTION

CHIL-BRATE™ CP-25 is a water-based, fire-retardant, fibrated, asphalt-emulsion, weather barrier coating for use over insulations on above-ground installations operating at moderate to high temperature service. Since it is a "breathing" coating, vapors under pressure will pass through it. When dry, the film is tough and durable. It provides protection against atmospheric corrosives, chemical liquids and fumes.

USES

CHIL-BRATE™ CP-25 weather barrier coating is primarily designed to protect insulation on equipment and structures in high temperature service, although it also provides protection against corrosion when applied directly over steel and concrete. Typical insulations protected with CHIL-BRATE™ weather barrier coating include calcium silicate, mineral and glass fibers, polyurethane and glass foams. It is not recommended in ponded water areas or over polystyrene foam insulation.

ADVANTAGES

- Water-based for personal and environmental safety.
- Highly resistant to acids, alkalis and salts.
- Meets requirements for LEED IEQ 4.2 Low-Emitting Materials, Paints and Coatings. VOC: 0 g/l, less water and exempt solvents.

COLOR

Black

WET WEIGHT (ASTM D1475)

8.7 lbs./U.S. gal. (1.04 kg/liter)

AVERAGE NON-VOLATILE (ASTM D2369)

50% by volume (52% by weight)

SERVICE TEMPERATURE RANGE

Temperature to which dry film is subjected.
-20°F to 200°F (-29°C to 93°C)

APPLICATION TEMPERATURE RANGE

Temperature of product when applied.
PROTECT FROM FREEZING.
40°F to 100°F (4°C to 38°C)

DRYING TIME

Drying time will vary depending upon film thickness, temperature and humidity.
24 – 48 Hours

COVERAGE

Varies with substrate and membrane.
15 gallons per 100 sq. ft. (6.1 liters/m²)

CLEAN UP

Clean water, followed by mineral spirits.

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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. Cement coats must be dry. This product cannot be successfully applied by brush or spray.

Application Guide and Suggested Procedures

OUTDOOR AND HEAVY-DUTY SERVICE

To prevent water infiltration, properly flash all penetrations. Prime dusty insulation or porous cements with an asphalt primer. CHIL-BRATE™ CP-25 is designed to be applied by trowel.

1. Apply tack coat of CHIL-BRATE™ CP-25 at 7.5 gal. per 100 sq. ft. (3.1 l/m²) by trowel.
2. Embed CHIL-GLAS® #5 or #10 glass fiber reinforcing mesh into the wet tack coat. Smooth membrane to avoid wrinkles and overlap all seams at least 2 inches (51 mm).
3. Apply finish coat of CHIL-BRATE™ CP-25 at 7.5 gal. per 100 sq. ft. (3.1 l/m²). The second coat shall be applied immediately following the initial set of the first coat while it is still damp.
4. Total coverage shall be 15 gallons per 100 sq. ft. (6.1 liters/m²). This application shall provide a minimum dry film thickness of 120 mils (3 mm).

Chicken wire should not be used. Foot or mechanical traffic is NOT recommended for roof or tank top applications where high ambient temperatures may soften the mastic film. Not recommended for indoor use. Outdoor horizontal surfaces must always drain completely. A pitch of at least 1/2" per foot (4 cm/m) is required.

HEAVY DUTY APPLICATIONS – UP TO 50% GREATER TENSILE STRENGTH

Apply as above, but making sure to use CHIL-GLAS® #5 glass fiber reinforcing mesh. Note that the membrane weave pattern will show through the dried mastic.

TROWEL

Apply evenly with a minimum of overworking of material. May be applied with a rubber glove on small radius pipes and vessels.

CLEAN UP

Clean equipment with clean fresh water before mastic dries, followed by mineral spirits (flammable) or chlorinated solvent (nonflammable). Use mineral spirits or chlorinated solvent after mastic dries.

CUSTOMER SERVICE: 833-849-3700

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