



Mastics, Coatings, Adhesives, Sealants

CHIL-LAG[®] CP-52 Lagging Adhesive / Coating Product Data Sheet

COMBINATION COATING AND ADHESIVE FOR FINISHING AND ADHERING CANVAS, GLASS AND OTHER LAGGING CLOTHS OVER THERMAL INSULATION

DESCRIPTION

CHIL-LAG[®] CP-52 Lagging Adhesive and Coating is a white, water-based formula that brushes easily and smoothly, bonding and forming a tough film with glass or canvas lagging cloth. Over insulation it forms a protective coating and retards release of fibers over bare fibrous insulation. CHIL-LAG[®] CP-52 is fire-resistant and UL Classified.

USES

CHIL-LAG[®] CP-52 Coating is used for adhering the laps and fabrics such as glass cloth, canvas (up to 8 oz.) and brattice cloth to many insulated surfaces such as round and rectangular duct work, pipe covering and insulated equipment. CHIL-LAG[®] CP-52 is used as a coating over all of the above-mentioned fabrics, and to coat and protect insulation facings such as ASJ, FSK and other laminate jacketing. It may also be used as a coating over plastic and cellular foam insulation materials including polystyrene. CHIL-LAG[®] CP-52 coating can be brushed on the joints and butt ends of duct liner insulation to help prevent air erosion of the glass or mineral fiber.

APPLICATION

CHIL-LAG[®] CP-52 Coating is easily applied by brush, roller coat or spray. It can be used for dipping canvas where more complete saturation and shrinkage is desired. The normal application is by brush; the bridging properties of this coating give a smooth finish even over relatively rough fabrics such as 8 oz. canvas and brattice cloth.

ADVANTAGES

- CHIL-LAG[®] CP-52 Coating is non-flammable in the wet state and fire-resistant when dry.
- It contains no solvents to attack insulations or facings.
- The combination of properties afforded by this material gives a great versatility both as an adhesive and a coating.
- The polymeric resins make this an adhesive of high bond strength and unusual permanence.
- The tough film is washable and abrasion resistant.

CERTIFIED

- MAS Certified Green[®]
- California Dept. of Public Health Standard Method v1.2
- VOC Emissions and Content requirements to contribute to

LEED v4 EQ Credit: Low Emitting Materials – Paints and Coatings

- VOC Content: 42 g/l, less water and exempt solvents
- Collaborative for High Performance Schools EQ 7.1
- Meets NFPA Standard 90A & 90B 25/50 requirements



Suggested Specifications

COLOR

White

WET WEIGHT (ASTM D1475)

10.4 lbs./U.S. gal. (1.25 kg/liter)

AVERAGE NON-VOLATILE (ASTM D2369)

39% by volume (51% by weight)

SERVICE TEMPERATURE RANGE

Temperature to which dry film is subjected.
0°F to 180°F (-18°C to 83°C)

APPLICATION TEMPERATURE RANGE

40°F to 100°F (4°C to 38°C)

DRYING TIME

Film thickness, temperature and humidity will affect drying time.
To Touch: 2 Hours
Through: 15 Hours

COVERAGE

Coverage will vary with substrate & membrane.
40 – 70 sq. ft. per gal. (1.0 – 1.7 m²/l) per coat
0.040 in. – 0.023 in. wet film thickness
(1.0 – 0.6 mm) per coat

CLEAN UP

Warm, soapy water (wet) or mineral spirits (dry)

SURFACE BURNING CHARACTERISTICS (ASTM E84)



GENERAL PURPOSE COATING
SURFACE BURNING CHARACTERISTICS
282U

Applied to 1/4" Inorganic Reinforced Cement Board

Flame Spread:	0
Smoke Developed:	5
Number of Coats:	1
Rate per Coat (sq. ft./gal.):	40
Flash Point of Liquid Coating (Closed Cup):	No flash to boiling

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CHIL-LAGTM CP-52

H.B. Fuller Construction Products Inc.

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Pipe insulation, duct insulation and equipment

All insulation finished with canvas (or other fabric finishes) shall have their laps adhered with CHIL-LAG® CP-52 Adhesive and Coating. A finish coat of CHIL-LAG® CP-52 shall be applied to the entire outer surface of the lagging cloth at a coverage not less than 70 sq. ft./gallon (0.6 l/m²) for canvas and 50 sq. ft./gallon (0.7 l/m²) for brattice cloth.

NOTES TO SPECIFYING ENGINEER

1. It is recommended that in using most types of pre-sized glass cloth facings.

Application Guide and Suggested Procedures

1. USE OF MATERIAL

STIR WELL, DO NOT THIN. CHIL-LAG® CP-52 brushes easily. Where dipping of canvas is specified or recommended, dilute 4 parts of CHIL-LAG® CP-52 Coating with a maximum of 1 part water. It should be stored indoors and above freezing temperatures, and should not be applied below 40°F (4°C) nor above 100°F (38°C) for best results.

2. THE CONDITION OF THE SURFACE TO BE ADHERED OR COATED

Certain surfaces which are dusty or porous such as calcium silicate or certain mineral fiber materials should first be primed with a light coat of CHIL-LAG® CP-52 diluted 50% with water for proper bonding. A coating or adhesive will adhere no better than the integrity of the surface to which it is applied.

3. APPLICATION

CHIL-LAG® CP-52 coating is extremely easy to apply by brush or roller coat, and the same procedure would be used as applying latex paints or similar brush-on coating. Brushes or other tools should be kept in water and cleaned with hot, soapy water.

CHIL-LAG® CP-52 coating may be sprayed with many types of equipment, including airless spray. Many manufacturers of spray equipment can make detailed recommendations for any number of types of equipment. The spray equipment and techniques are similar to those used for applying block sealers or heavy, latex paints. Contact an experience industrial spray equipment dealer or contact H.B. Fuller technical support for suggestions. Typical viscosity: 50,000 to 70,000 cps.

CUSTOMER SERVICE: 833-849-3700

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