



Mastics, Coatings, Adhesives, Sealants

# CHIL-LAG® CP-52 Adhesive

## LAGGING ADHESIVE AND SIZING FOR INSULATIONS

### DESCRIPTION

CHIL-LAG® CP-52 adhesive is an odorless lagging adhesive which is easy to apply by brush or spray. In sizing applications, it may also be dipped. It is a water based material that is fire resistive, and contains a preservative for protection against mildew.

### USES

CHIL-LAG CP-52 adhesive is used to adhere the laps of canvas and glass cloths used as lagging fabrics over thermal insulation. It is also used as a sizing for these lagging cloths.

### ADVANTAGES

CHIL-LAG CP-52 adhesive, when dry, results in a permanent adhesive bond superior to sewing or stapling. CHIL-LAG CP-52 adhesive adheres fabrics to insulation substrates and, in addition, will shrink canvas down tightly to the surface and seal the fabric for further painting where required.

### APPLICATION

CHIL-LAG CP-52 adhesive is easy to apply by brush, spray or dipping. Most applications are by brush. As a matter of standard procedure, when this adhesive is used as a sizing coating, it will normally be diluted with water to make it even more economical. Not suggested for outdoor exposure.

### CERTIFIED

This product meets the requirements of NFPA Standard 90-A and 90-B. This product has been tested according to ASTM E-84 (Surface Burning Characteristics of Building Materials).

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### COLORS

White (dries clear)

### WET WEIGHT

10.1 lbs./U.S. gal.  
(1.2 kg/liter)

### AVERAGE NON-VOLATILE

49% by weight

### SERVICE TEMPERATURE RANGE

(Temperature to which dry film is subjected.)  
-20°F to 180°F  
-29°C to 82°C

### APPLICATION TEMPERATURE RANGE

40°F to 100°F  
4°C to 38°C

### DRYING TIME

To touch - 1/2 hour Through - 8 hours  
(Drying time will vary depending upon film thickness, temperature and humidity.)

### COVERAGE

1 U.S. gal./100 sq. ft. (0.4 l/sq.) Depending upon surfaces being coated and/or bonded.

### CLEAN-UP

Warm, soapy water.

### WATER VAPOR PERMEANCE ASTM E-96

Over 1.0 perm (Procedure B)

CP-52 contains no asbestos, lead, mercury, or mercury compounds.

<b>Underwriter's Laboratories Inc.®</b>	
CLASSIFIED	
282U	
General Purpose Coating	
Surface Burning Characteristics	
R3593	
Surface:	Applied to inorganic reinforced cement board
Flame Spread:	10
Smoke Developed:	0
Number of Coats:	1
Coverage:	100 sq. ft./gal.
Flash Point of liquid coating, Closed Cup:	No flash to boiling.

8538  
8/05  
DPI

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## **CANVAS LAGGING ON PIPE INSULATION**

Laps of factory-applied canvas jackets shall be adhered by applying a brush coat of CHIL-LAG CP-52 adhesive at a coverage rate of not less than 1 U.S. Gal./100 sq. ft. (0.4 liters/sq. m).

To shrink and size canvas, a brush coat of CHIL-LAG CP-52 adhesive shall be applied to the entire surface.

## **CANVAS LAGGING FOR LARGE PIPES (FIELD APPLIED), DUCTS, AND EQUIPMENT**

After the insulation has been installed, a heavy brush coat shall be applied to the entire surface. The canvas shall be immediately embedded into the wet adhesive. A finish sizing coat at a minimum coverage of 1 gallon per 100 sq. ft. (0.4 l/sq. m) shall be applied over the fabric.

## **NOTES TO SPECIFYING ENGINEER**

1. The above specified finish is primarily a sizing, and where appearance is not the primary factor. For a tougher, smoother appearing finish, CHIL-SEAL® CP-50A as a combination lagging adhesive and coating is recommended.
2. Where appearance is the primary factor, and particularly where open weave glass cloth or other heavy, coarse fabrics are being used it is recommended that VI-CRYL® CP-11 coating be used as the finish for maximum appearance and smoothness.

# Application Guide and Suggested Procedures

## **1. USE OF MATERIAL**

CHIL-LAG CP-52 adhesive brushes easily. Thinning is not recommended when CHIL-LAG CP-52 adhesive is used as an adhesive. It may be thinned when canvas is being dipped.

It is recommended that CHIL-LAG CP-52 adhesive be stored in a heated warehouse. It should never be applied at temperatures below 40°F (4°C).

## **2. THE CONDITION OF THE INSULATION TO BE ADHERED COATED**

Dusty or loose, fibrous surfaces should first be primed before using CHIL-LAG CP-52 as an adhesive for securing lagging cloths to insulation. The surfaces shall be primed with a solution of CHIL-LAG CP-52 diluted 50% with water.

## **3. APPLICATION**

CHIL-LAG CP-52 adhesive is normally applied with any type of paintbrush. In some areas, dipping of canvas or other fabrics is desired. For these applications, the CHIL-LAG CP-52 adhesive may be diluted (4 parts CP-52 to 1 part water). The canvas or other fabric is dipped into the bucket of diluted lagging adhesive after which about 50% of the mixture is wrung out and the wet cloth wrapped around the pipe, duct or surface to be lagged.

## **4. DRYING AND TOP-COATING**

CHIL-LAG CP-52 adhesive dries quite rapidly. However, it should not be top coated in less than 12 hours, and user should make sure that it is completely dry before top coating.

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

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Consult Material Safety Data Sheet and container label for further information.**