



Mastics, Coatings, Adhesives, Sealants

# CHIL-LAG® CP-52C Adhesive Product Data Sheet

## LAGGING ADHESIVE AND SIZING FOR INSULATION

### DESCRIPTION

CHIL-LAG® CP-52C adhesive is a lagging adhesive which is easy to apply by brush or spray. In sizing applications, it may also be dipped. It is a water-based, fire-resistive material.

### USES

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

### APPLICATION

CHIL-LAG® CP-52C adhesive is easy to apply by brush, spray or dipping. Most applications are by brush. For dipping applications, dilute 4 parts CP-52C to 1 part water. Not suggested for outdoor exposure.

### CERTIFIED

This product meets the requirements of NFPA Standard 90A and 90B. This product has been tested according to ASTM E84 (Surface Burning Characteristics of Building Materials).

### COLOR

White

### WET WEIGHT (ASTM D1475)

11.2 lbs./U.S. gal. (1.3 kg/liter)

### AVERAGE NON-VOLATILE (ASTM D2369)

51% 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

Drying time will vary depending upon film thickness, temperature and humidity.

To Touch – ½ Hour

Through – 8 Hours

### COVERAGE

Coverage will vary with substrate & membrane.


1.0 – 1.25 U.S. gal./100 sq. ft. (0.4 – 0.5 l/m<sup>2</sup>) per coat on canvas  
1.25 – 2.5 U.S. gal./100 sq. ft. (0.5 – 1.0 l/m<sup>2</sup>) per coat on brattice cloth

1.0 U.S. gal./100 sq. ft. (0.4 l/m<sup>2</sup>) per coat on smooth dense surfaces

### CLEAN UP

Warm, soapy water

### SURFACE BURNING CHARACTERISTICS (ASTM E84)

	GENERAL PURPOSE COATING SURFACE BURNING CHARACTERISTICS	
	282U	
Applied to ¼" Inorganic Reinforced Cement Board		
Flame Spread:		10
Smoke Developed:		0
Rate per Coat (sq. ft./gal.):		100
Number of Coats		1
Flash Point of Liquid Coating (Closed Cup):		No flash
R3593		

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# Suggested Specifications

# CHIL-LAG® CP-52C Adhesive

## CANVAS LAGGING ON PIPE INSULATION

Laps of factory-applied, canvas jackets shall be adhered by applying a brush coat of CHIL-LAG® CP-52C adhesive at a coverage rate of not less than 1 U.S. gal./100 sq. ft. (0.4 liters/m<sup>2</sup>).

To shrink and size canvas, a brush coat of CHIL-LAG® CP-52 C 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/m<sup>2</sup>) 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-52C adhesive brushes easily. Thinning is not recommended when CHIL-LAG® CP-52C adhesive is used as an adhesive. It may be thinned when canvas is being dipped.

It is recommended that CHIL-LAG® CP-52C 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 OR COATED

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

## 3. APPLICATION

CHIL-LAG® CP-52C 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-52C adhesive may be diluted (4 parts CP-52C 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-52C 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) 832-9002

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