



Mastics, Coatings, Adhesives, Sealants

# CHIL-SEAL® CP-137 AF Coating

## FUNGUS RESISTANT COATING AND ADHESIVE FOR FINISHING AND ADHERING CANVAS AND OTHER LAGGING CLOTHS OVER THERMAL INSULATION

### DESCRIPTION

CHIL-SEAL® CP-137 AF (Anti Fungal) coating is a white fire resistive coating which is also an excellent adhesive. It brushes easily and forms a tough film over surfaces such as glass cloth or canvas. Will not attack plastic foams or other adhesives. Brushes and tools are easily cleaned with water.

CP-137 AF coating is specially formulated with additional antimicrobials built into the coating to protect it from fungus or odor-producing bacteria on its surface. It is specially formulated with fungistatic agents to provide long term resistance to mold or mildew growth on its surface.

### USES

CP-137 AF coating is used for adhering fabrics such as glass cloth, canvas (up to 8 oz.) and brattice cloth to many insulated surfaces such as round and rectangular duct work and equipment. It is also used for adhering the laps of these fabrics as well as some woven glass cloths on pipe insulation.

### APPLICATION

CP-137 AF coating is easily applied by brush or spray. It is sometimes 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.

### ADVANTAGES

- CP-137 coating is non-flammable in the wet state and fire-resistive when dry.
- It contains no solvents to attack insulations or facings.
- The viscosity permits overhead and vertical applications that do not sag or run for additional ease of application.
- The combination of properties afforded by this material gives it 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 is abrasion resistant.

### CERTIFIED

- Meets NFPA Standard 90-A & 90-B requirements.
- This product has been tested according to ASTM E-84 (Surface burning Characteristics of Building Materials).
- Meets requirements for LEED IEQ 4.2 Low-Emitting Materials, Paints and Coatings. VOC: 17 g/l, less water and exempt solvents.

CP-137 AF contains no asbestos, lead, or mercury compounds.

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### COLOR

White

### AVERAGE WET WEIGHT

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

### AVERAGE NON-VOLATILE

40% by volume, 51% by weight

### SERVICE TEMPERATURE RANGE

(Temperature to which dry coating 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

(Drying time varies depending upon film thickness, temperature and humidity.)  
Touch – 2 Hours  
Through – 15 Hours

### COVERAGE

(Coverage will vary with substrate & membrane.)  
40-70 sq. ft. per gal. (1.0-1.7 m<sup>2</sup>/l) per coat 0.040 in. to 0.023 in. wet film thickness (1.0 to 0.6 mm) per coat.

### CLEAN-UP

Warm, soapy water (wet), Xylol (dry)

### WATER VAPOR PERMEANCE (ASTM F 1249)

0.5 to 1.3 perms at 0.031 in. dry film thickness, (0.9 metric perms at 0.8 mm)

### FUNGAL RESISTANCE (ASTM D 5590)

Rating = 0

	<b>General Purpose Coating</b>	
	<b>Surface Burning Characteristics</b>	
Applied to inorganic reinforced cement board		
Flame Spread:		10
Smoke Developed:		5
Rate per Coat (sq ft per gal)		40
Number of Coats:		1
Flash point of liquid coating (closed cup): no flash.		282U

See other side for specifications and application information.

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# Suggested Specifications

# CHIL-SEAL® CP-137 AF

## PIPE INSULATION, DUCT INSULATION, AND EQUIPMENT

All insulation finished with canvas (or other fabric finishes) shall be bonded with and have their laps adhered with CHIL-SEAL® CP-137 AF coating. A finish coat of CHIL-SEAL® CP-137 AF coating shall be applied to the entire outer surface of the lagging cloth at a coverage not less than 1 gallon per 100 sq. ft. (0.4 l/m<sup>2</sup>) for canvas and 1.25 gallons per 100 sq. ft. (.51 l/m<sup>2</sup>) for brattice cloth.

## Application Guide and Suggested Procedures

### 1. USE OF MATERIAL

**STIR WELL, DO NOT THIN.** CHIL-SEAL® CP-137 AF coating brushes easily. 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 CP-137 AF coating 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-SEAL® CP-137 AF coating is easy to apply by brush or roller coater. The same procedure would be used when applying Latex paints or similar brush-on coatings. Brushes or other tools should be kept in water and cleaned with hot, soapy water. CHIL-SEAL® CP-137 AF coating may be sprayed with many types of equipment, including airless spray. It may also be sprayed with conventional Mastic spray equipment using an external atomizing spray gun. Many manufacturers of spray equipment can make detailed recommendations for any number of types of equipment. The spray equipment and techniques would be similar to those used for applying block fillers or heavy Latex Paints. For best results we suggested the following airless spray equipment.

PUMP	Graco Bulldog Hydramastic, 40:1 ratio (model 204-925) air regulator with inductor plate (207-039).
COMPRESSOR	Capable of 75 CFM and maintaining 100 PSIG.
FLUID HOSE	High pressure capable of 4,000 PSI. One inch up to 150 feet. ¾" after the first 150 feet. Use 8' (2.4 m) ½" I.D. hose for coupling to the gun.
GUN	Graco Hydra-Mastic #207-300 with Reverse-A-Clean 205-614.
TIP SIZES	627 to 635.

### 4. HINTS FOR SUCCESS

CHIL-SEAL® CP-137 AF coating is an excellent adhesive and also has good resistance to many chemicals and solvents. Spillage of this material should be cleaned immediately by washing with water. If it is allowed to dry, the best method for attempted clean-up is hot water, detergent and a wire brush.

Always test foil and paper facing for acceptable adhesion before using.

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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 six months from date of shipment to the original purchaser.

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