



Mastics, Coatings, Adhesives, Sealants

CP-137 Protective Coating

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

DESCRIPTION

CP-137 Protective Coating is a white water based adhesive and coating of heavy cream-like consistency for interior applications. It brushes easily and forms a tough film over surfaces such as canvas and glass cloths. Being a water based material, it is safe to use; it does not attack plastic foams or other adhesives. Brushes and tools are easily cleaned with water.

USES

CP-137 coating is used for adhering fabrics such as glass cloth, canvas 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.

CP-137 is used as a protective coating over all if the above mentioned fabrics and also finds use as a coating over plastic foam materials such as polystyrene. CP-137 coating can be brushed on the joints and edges of duct liner insulation to help prevent air erosion of the glass fiber.

APPLICATION

CP-137 is normally applied 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. May also be applied by airless spray.

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.
- 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: 48 g/l, less water and exempt solvents.
- Meets the performance requirements of MIL-A-3316C, Class 1, Grade A

See other side for specification and application information.

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

COLOR

White

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 82°C

APPLICATION TEMPERATURE RANGE

40°F to 100°F
4°C to 38°C

DRYING TIME

Touch – 2 Hours
Through – 16 Hours
(Drying time will vary depending upon film thickness, temperature and humidity.)

COVERAGE


1.0-1.25 U.S. Gal./100 sq. ft. (0.4-0.5 l/m²) per coat on canvas or glass cloth
1.0 U.S. Gal./100 sq. ft. (0.4 l/m²) per coat on smooth dense surfaces.
(Coverage will vary with nature of substrate, application technique, and the fabric selected.)

CLEAN-UP

Warm, soapy water.

WATER VAPOR PERMEANCE (ASTM F 1249)

0.5 to 1.5 perms at 0.031 in. dry film thickness, (0.9 metric perms at 0.8 mm)

	GENERAL PURPOSE COATING	
	SURFACE BURNING CHARACTERISTICS	
Applied to 1/4" Inorganic Reinforced Cement Board		
Flame Spread:		10
Smoke Developed:		5
Rate per Coat (Sq.ft/gallon):		40
Number of Coats		1
Flash point of liquid coating (closed cup): No flash to boiling		
282U		

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Suggested Specifications

CP-137 PROTECTIVE COATING

PIPE INSULATION, DUCT INSULATION, AND EQUIPMENT

All insulation finished with canvas (or other fabric finishes) shall have their laps adhered with CP-137 coating. A finish coat of CP-137 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/sq. m.) for canvas or glass cloth and 1.25 gallons per 100 sq. ft. (.51 l/sq. m.) for brattice cloth.

NOTES TO SPECIFYING ENGINEER

1. It is recommended that in using most types of presized glass cloth facings, CHIL-STIX® FRN CP-82 adhesive be used as the lap adhesive.
2. The above suggested specification is for hot piping and equipment. It may be used for equipment operating as low as 55°F (13°C) in northern climates where a material with a perm rating of 1.5 is adequate.

Application Guide and Suggested Procedures

1. USE OF MATERIAL

CP-137 coating brushes easily despite its somewhat heavy appearance. 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. Stir well, DO NOT THIN.

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 adhesive 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. Not suggested for outdoor use.

3. APPLICATION

CP-137 coating is extremely easy to apply by brush 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. CP-137 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. For best results, we suggested the following airless spray equipment.

PUMP	Graco Bulldog Hydramastic, 40:1 ration (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

CP-137 coating is an excellent adhesive and also has good resistance to many chemicals and solvents. Spillage of this material should be cleaned immediately.

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