

SPRAYABLE, FIRE-RESISTIVE DUCT LINER ADHESIVE

DESCRIPTION

CP-124 is an aggressive, fast-tacking, flammable solvent-based, elastomeric adhesive specifically designed for application using low pressure spray equipment. Its jelly-like structure produces little "buds" of adhesive when it is sprayed. These buds bite into the porous, fibrous surface of the insulation providing a strong bond and a high coverage rate.

USES

CP-124 adhesive is used to bond lightweight insulation materials to duct work and in equipment such as air conditioners and furnaces. CP-124 adhesive is also used to bond such porous and lightweight materials as cork, cardboard and paper.

APPLICATION

CP-124 adhesive is designed for spray, brush or roller.

ADVANTAGES

- Equipment is low cost & operates with minimum air
- Sprays easily without misting or cobwebbing
- Little or no clogging of equipment
- High production rates and excellent coverages
- Red color makes the area sprayed visible
- Long bonding time
- Fire-resistive, dry film
- Meets the requirements of fire protection rating agencies
- Very economical

CERTIFIED

- Meets the requirements of NFPA Standard 90A and 90B 25/50 requirements
- Meets ASTM C916, Type 4
- This product has been tested according to ASTM E84 (Surface Burning Characteristics of Building Materials)

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COLORS

Red
Other colors available on special order.

WET WEIGHT (ASTM D1475)

6.5 lbs. (0.77 kg/l)

AVERAGE NON-VOLATILE (ASTM D2369)

28% by weight (20% by volume)

APPLICATION & STORAGE TEMPERATURE RANGE

40°F to 100°F (4°C to 38°C)

SERVICE TEMPERATURE RANGE

Temperature to which dry film is subjected.
-20°F to 200°F (-29°C to 93°C)

BONDING TIME

0 to 15 Minutes

COVERAGE

For insulation attachment:
Up to 600 sq. ft./U.S. gal. (14.7 m²/l)
Depending on substrates and application.

CLEAN UP

Xylol (Flammable)
Chlorinated Solvents (Non-flammable)



ADHESIVES SURFACE BURNING CHARACTERISTICS

Applied to Inorganic Reinforced Cement Board
Flame Spread: 10
Smoke Developed: 25

Tested as applied at a coverage rate of 200 ft²/gal.
Flash point of liquid adhesive (closed cup) less than -20°F.

312U

H.B. Fuller Construction Products Inc.

Customer Service
(800) 832-9002

1105 South Frontenac St.
Aurora, IL 60504

Fax
(800) 952-2368

Suggested Specifications

CHIL-GRIP™ CP-124 Adhesive

DUCT LINING INSULATION

All fibrous glass (or other) insulation shall be applied with CP-124 Adhesive. The adhesive shall be spray-applied to the ductwork at a maximum coverage of 400 square feet per gallon (9.8 m²/liter) and full coverage shall be given to the metal.

NOTES TO SPECIFYING ENGINEER

There are considerable forces placed on the lining materials in lined ducts. Since an adhesive has no better strength than the materials it is adhering, and since most insulations such as fibrous glass tend to delaminate, it is usually desirable to also specify the use of welded pins or adhered clips and retaining washers as mechanical adjuncts to the adhesive. These fasteners are usually spaced on 18 – 24" (45 – 60 cm) centers. Allow CP-124 to dry solvent-free before installing weld pins.

Application Guide and Suggested Procedures

1. USE OF MATERIAL

For optimum storage conditions, CP-124 adhesive should be stored at 55°F to 80°F (13°C to 27°C). Lower temperatures will cause a temporary increase in viscosity and difficulty in spraying may be experienced. Higher temperatures will shorten the shelf life of this product. **STIR WELL, DO NOT THIN.**

CP-124 adhesive is manufactured with volatile, flammable solvents. Do not apply or use near open fire or flames and do not use near welding operations or where sparking is possible. Keep the container tightly closed when not in use.

Use only in well ventilated areas. Avoid prolonged breathing of vapors or repeated contact with skin. Consult Safety Data Sheet for more information.

2. CONDITION OF SURFACE TO BE COATED

CP-124 adhesive may be applied over almost any type of substrate. It is advisable that metal surfaces be as oil free as possible. No primer is required over galvanized steel or aluminum to gain maximum adhesion. Do not apply over wet or damp surfaces as the adhesion will be affected.

The solvents in this adhesive might attack certain plastic foams, films, or laminates.

The user should determine by prior test that this adhesive may be used with a specific material, and under the application conditions which exist.

3. APPLICATION

CP-124 adhesive is designed for use with low pressure spray equipment available from many different manufacturers. The types and model numbers of units suggested herein do not imply endorsement of any one unit, nor assurance of their applicability under the user's requirements.

4. HINTS FOR SUCCESS

All material hoses should be nylon or PVC lined. Any packings and glands that come in contact with the adhesive should be made of Teflon®. When spraying, trigger the spray gun at the end of each pass. This helps eliminate clogging or adhesive buildup at tip. Hold gun perpendicular to, and about 12" (30 cm) away from the surface to be sprayed.

A speckled pattern gives the most effective bond. This is not a paint – do not try to completely cover the surface. Place the insulation into the adhesive while it is still wet – do not allow it to dry too much or an insufficient bond will result. Too much adhesive can be as bad as not enough adhesive.

If the speckles are too small, it means that the atomizing pressure is too high and should be cut back (the adhesive will also dry too quickly if this is the case).

Spray Equipment Suggestions

	BINKS	DEVILBISS
SPRAY GUN MODEL	2001SS	JGA-510
FLUID NOZZLE	63BSS	FF
NEEDLE	363A	FF
AIR CAP	63PB	777
FLUID PRESSURE REQUIRED	15 – 20 lbs	
ATOMIZING AIR	40 – 50 lbs	

CUSTOMER SERVICE: 800-832-9002

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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 twelve months from date of shipment to the original purchaser or as otherwise provided on the certificate of analysis.

**For professional use only. Keep out of reach of children.
Consult Safety Data Sheet and container label for further information.**