

### DUCT LINER AND INSULATION ADHESIVE

#### DESCRIPTION

Duct liner and insulation adhesive CP-129 is an aggressive, fast-tacking, elastomeric adhesive specifically designed for application by brush or air-atomized spray equipment. It produces a spatter or web pattern when sprayed, resulting in a high coverage rate.

#### USES

CP-129 adhesive is used to bond lightweight fibrous insulation materials (up to 3 lbs./cu. ft.) to duct work and in equipment such as air conditioners and furnaces. CP-129 adhesive is also used to bond porous and lightweight materials such as cork, cardboard and paper.

#### ADVANTAGES

- Equipment is low cost & operates with minimum air
- Sprays easily
- Little or no clogging of equipment
- High production rates and excellent coverage
- Long bonding time
- Fire-resistive dry film
- Very economical
- Bonds duct liner and duct wrap
- Good brushability

#### APPLICATION

CP-129 adhesive is designed for spray, brush or roller.

#### CERTIFIED

- CP-129 meets the requirements of NFPA Standard 90A & 90B.
- Meets ASTM C916, Type IV.
- This product has been tested according to ASTM E84 (Surface Burning Characteristics of Building Materials).

™ Trademark of H.B. Fuller Construction Products Inc.

Visit us on the web at [www.fosterproducts.com](http://www.fosterproducts.com)

#### COLOR

Clear/Amber

Other colors available on special order.

#### WET WEIGHT (ASTM D1475)

6.2 lbs. (0.74 kg/l)

#### AVERAGE NON-VOLATILE (ASTM D2369)

30% by weight (23% 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

1 to 15 Minutes

#### COVERAGE

For Insulation Attachment:

Up to 400 sq. ft./U.S. gallon (9.8 m<sup>2</sup>/l) when applied to metal

#### CLEAN UP

Mineral Spirits (Flammable)

Chlorinated Solvents (Non-flammable)



R5661

#### 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 ft<sup>2</sup>/gal.

Flash point of liquid adhesive (closed cup) less than 30°F.

312U

# Suggested Specifications

# CP-129 ADHESIVE

## DUCT LINER INSULATION

All fibrous glass (or other) insulation shall be applied with CP-129 adhesive. The adhesive shall be evenly applied to the ductwork at a maximum coverage of 400 square feet per gallon (9.8 m<sup>2</sup>/liter).

## 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.

## Application Guide and Suggested Procedures

### 1. USE OF MATERIAL

CP-129 adhesive should be stored and applied between 40°F (4°C) and 100°F (38°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.

CP-129 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. THE CONDITION OF THE SURFACE TO BE COATED

CP-129 adhesive may be applied over almost any type of substrate. It is advisable that metal surfaces be as free as possible from oil or grease. 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. Stir well, DO NOT THIN.

**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 specific materials and under the application conditions which exist.

### 3. APPLICATION

CP-129 adhesive may be applied by brush or with 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.

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 web 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. If the adhesive is prematurely drying or excessive overspray occurs, the atomizing pressure is too high and should be cut back to a level that still achieves the desired spray pattern.

Spray Equipment Suggestions		
	BINKS	DEVILBISS
SPRAY GUN MODEL	2001SS	JGA-510
FLUID NOZZLE	66SS	E
AIR CAP	66SD	777
FLUID PRESSURE REQUIRED	25 psi	
ATOMIZING AIR	40 – 50 psi	
PUMP	1:1 or 2:1 air pump or pressure pot	

### 4. HINTS FOR SPRAY SUCCESS

All material hoses should be nylon or PVC lined. Packings and glands in contact with the adhesive should be made of Teflon®.

## CUSTOMER SERVICE: 833-849-3700

IMPORTANT: H.B. Fuller Construction Products Inc. warrants that each of its products will be manufactured in accordance with the specifications in effect on the date of manufacture. WE MAKE NO OTHER WARRANTIES AND EXPRESSLY DISCLAIM ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If a product fails to meet this limited warranty, purchaser's sole and exclusive remedy is replacement of the product or, at our option, refund of the purchase price. OUR ACCEPTANCE OF ANY ORDERS FOR THE PRODUCT IS EXPRESSLY CONDITIONAL UPON PURCHASER'S ASSENT TO THE TERMS ON THE APPLICABLE INVOICE.

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.**