



81-33

Product Data Sheet

PROPERTIES

COLOR:

Off-white

APPLICATION CONSISTENCY:

Trowel

WEIGHT PER U.S.GALLON: (ASTM D 1475):

13.2 lbs. (1.58 kg/l)

APPLICATION NON-VOLATILE (ASTM D 1644):

66% by volume (80% by weight)

COVERAGE RANGE:

(Subject to type of surfaces and nature of material being attached)

25 to 40 sq.ft./gal.

0.063 in. to 0.040 in. wet thickness.

(0.6 to 1.0 m²/l at 1.6 to 1.0 mm wet)

BONDING TIME RANGE (FSTM 66):

2 to 10 minutes

SERVICE TEMPERATURE LIMITS:

(Temperature at coated surface)

Minus 75°F to 300°F (-59°C to 149°C)

WET FLAMMABILITY (ASTM D 3278):

Flash Point 110°F (43°C)

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FOSTER FIRE RESISTIVE ADHESIVE

FOSTER Fire Resistive Adhesive is a superior adhesive for cementing thermal insulation to all structural surfaces. It is quick-setting, with good specific adhesion to iron, steel, aluminum, and most thermal insulations. Can be used without mechanical fastening for marine hull insulation.

Fire Resistive Adhesive is the preferred adhesive for use with rigid polyurethane insulations. It can be used as a fabricating adhesive in making fittings with polyurethane insulation, and as an adhesive to attach insulation to equipment surfaces. Bonds of polyurethane to itself made with 81-33 are stronger than the base insulation.

Fire Resistive Adhesive withstands continuous surface temperatures up to 300°F (149°C), but it has been subjected to higher temperatures for short intervals with good results. Its excellent resistance to water and high humidity makes it a good sealing compound for joints and seams of insulation on cold water piping and equipment.

Fire Resistive Adhesive meets the requirements of Military Specification MIL-A-3316C, Class 3, Grade A.

Fire Resistive Adhesive contains no asbestos, lead, mercury, or mercury compounds.

LIMITATIONS:

Store and apply between 40°F (4°C) and 100°F (38°C).

Always test plastic materials for compatibility when using a solvent base product.

Make certain this product is completely dry, and the area is free from solvent odor if food is involved.

Galvanized metal must be primed with Foster 40-26.

If used between impermeable surfaces, drying time will be extended.

HB Fuller Construction Products Inc.

1105 South Frontenac St ○ Aurora, IL 60504 ○ 800-832-9002 ○ fax 800-952-2368

APPLICATION GUIDE FOR FIRE RESISTIVE ADHESIVE 81-33

MATERIAL PREPARATION

Remove paper disc and any skin on surface of adhesive in container. Stir well. DO NOT THIN. Apply only to clean, dry surfaces. Keep container closed when not in use to prevent solvent evaporation.

APPLICATION

Galvanized metal must first be treated with Foster Primer 40-26 and allowed to dry.

ATTACHMENT ADHESIVE - Apply with notched trowel at 40 sq. ft./gal. (1.0 m²/l).

JOINT SEALANT/ADHESIVE - Apply with smooth trowel at 25 sq. ft./gal. (0.6 m²/l).

Install insulation applying pressure to assure complete and uniform contact to the surface, twisting the insulation section slightly to break any skin that may have formed on the adhesive surface.

SQUARE NOTCHED TROWEL

Use a steel trowel with square teeth 1/8 inch wide, 1/8 inch deep and 1/8 inch apart. Trowel with firm pressure leaving ridges of adhesive. Press insulation firmly into place to obtain complete contact. On rough or porous surfaces a thicker application of adhesive will be required in order to assure contact between the insulation and the substrate.

CLEAN UP

Use a solvent such as chlorinated solvent (non-flammable) or xylene (flammable).

CUSTOMER SERVICE—800-832-9002

IMPORTANT: HB 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 six months from date of shipment to the original purchaser.

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