



81-33

Product Data Sheet

PROPERTIES

COLOR:

Beige

APPLICATION CONSISTENCY:

Trowel

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

13.0 lbs. (1.56 kg/l)

APPLICATION NON-VOLATILE (ASTM D2369):

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:

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 fibrous and breathable 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 and polyisocyanurate insulations as a fabricating adhesive in making fittings. It also used for bonding joints of PIR and PUR insulation during installation where a permanent bond is required. Bonds of PIR and PUR to itself made with 81-33 are stronger than the base insulation. Solvent from the adhesive must be given time to escape through the joint.

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 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.

Galvanized metal must be primed with a suitable metal primer before use of 81-33.

If used between impermeable surfaces, drying time will be extended or completely prevented. A path for solvent escape is required.

HB Fuller Construction Products Inc.

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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 a metal primer and allowed to dry.

ATTACHMENT ADHESIVE WITH BREATHABLE ADHESIVES - 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

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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.

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