



## PROPERTIES

**COLOR:**

Beige

**APPLICATION CONSISTENCY:**

Brush, Trowel

**AVERAGE WEIGHT/U.S. GALLON (ASTM D 1475):**

13.7 lbs. (1.64 kg/l)

**AVERAGE NON-VOLATILE (ASTM D 2369):**

41% by volume (63% by weight)

**COVERAGE RANGE (FSTM 72):**

(Subject to type of surface and nature of material being coated)

**Brush:** 40 to 50 sq. ft. per gal. (1.0 to 1.2 m<sup>2</sup>/l)  
0.040 in. to 0.032 in. (1.0 to .8 mm) wet film thickness.

**Trowel:** 25 to 30 sq. ft. per gal. (0.6 to 0.7 m<sup>2</sup>/l)  
0.064 in. to 0.053 in. (1.6 to 1.3 mm) wet film thickness.

**BONDING TIME RANGE (FSTM 66):**

0 to 5 minutes

**SERVICE TEMPERATURE LIMITS (FSTM 70):**

(Temperature at coated surface)  
50°F to 800°F (10°C to 427°C)

**WET FLAMMABILITY (ASTM D 93):**

No flash to boiling 212°F (100°C)

**DRY COMBUSTIBILITY:**

Incombustible

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## FOSTER<sup>®</sup> FIBROUS ADHESIVE

**Foster<sup>®</sup> Fibrous Adhesive** is a sodium silicate based incombustible adhesive for bonding calcium silicate and expanded perlite thermal insulation to itself and to non-porous surfaces. It offers maximum adhesion and optimum working qualities and it forms a hard, brittle, incombustible film.

**Fibrous Adhesive** can also be used for lagging high temperature alkali resistant cloth on high temperature insulation.

**Nuclear Grade Fibrous Adhesive 81-27Q** can be supplied to meet the stress corrosion and chemical analysis requirements of MIL-I-24244C or Nuclear Regulatory Guide 1.36 on special order.

**Fibrous Adhesive** contains no asbestos, lead, mercury, or mercury compounds.

**Fibrous Adhesive** meets requirements for LEED IEQ 4.1 Low-Emitting Materials, Adhesives and Sealants. VOC: 0 g/l, less water and exempt solvents.

### LIMITATIONS

Store and apply between 40°F (4°C) and 100°F (38°C), protect from freezing until dry.

Since the dry adhesive film is soluble in water, it should not be used where moisture will be encountered.

Because of its sodium silicate base, this product is not recommended for use with glass fiber or other alkali sensitive insulations.

Primed or painted metal surfaces should be tested for compatibility.

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

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

**H.B. Fuller Construction Products Inc.**

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# APPLICATION GUIDE FOR FOSTER<sup>®</sup> FIBROUS ADHESIVE 81-27<sup>™</sup>

## **MATERIAL PREPARATION**

DO NOT THIN. Stir well, but do not use sticks or boards which would splinter or otherwise contaminate the product. Apply only to clean, dry, oil-free surfaces. Keep container closed when not in use.

## **APPLICATION**

Remove any dust from the surfaces to be bonded. To both surfaces of insulation apply a coat of Foster<sup>®</sup> Fibrous Adhesive by brush or trowel at a coverage of 25 to 40 sq. ft./gal. (.61 - .98 m<sup>2</sup>/l). Allow an open time of 0 to 5 minutes to develop full tack. Place the adhered surfaces together, applying pressure to assure complete and uniform contact.

## **BRUSH**

Use a clean paintbrush and apply evenly at recommended coverage. Bond immediately with firm pressure.

## **TROWEL**

Use steel trowel. Apply evenly at recommended coverage. Bond immediately with firm pressure.

## **CLEAN UP**

Clean brushes and equipment with water.

## **CUSTOMER SERVICE: 800-832-9002**

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 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.**