



82-08

Foster Kold-Fas Adhesive

Colour

Black

Application Consistency

Brush, gob, push box, or spray

Weight per U.S. Gallon (ASTM D1475-60)

8.4 pounds (1.0 kg/l)

Average Non-Volatile

70% by volume

Coverage (FSTM 72)

(Subject to type of surface, nature of material being attached, and method of application.) 12 to 75 sq. ft. per gal. (0.3 to 1.8 m²/liter).

0.125 in. to 0.015 in. wet film thickness
(3.2 to 0.38 mm).

Bonding Time Range (FSTM 66)

0 to 30 minutes (permeable surfaces)
20 to 30 minutes (impermeable surfaces)
Use longer time within range when ambient temperature is low or humidity high.

Service Temperature Limits (FSTM 70)

(Temperature at coated surface)
Minus 50°F to 170°F (minus 46°C to 77°C)

Water Vapour Permeance (ASTM E398-70)

0.08 perm applied at 1/8 inch wet thickness
(0.05 metric perm at 3.2 mm).

Safety

Wet Flammability (ASTM D93-73)

Flash Point : None to boiling (210°F, 99°C)

Combustibility (dry) (FSTM 44)

Combustible

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FSTM: Foster Standard Test Method.

Foster Kold-Fas Adhesive is a low cost, high solids, quick setting, water base adhesive designed to adhere thermal insulation board and blanket (polystyrene foam, expanded polystyrene bead board, polyurethane foam, low density fibrous glass and cork) to metal, masonry, wood and to itself. It is also used to adhere all types of vapour barrier facings, papers and polyethylene film to insulation and building surfaces.

Kold-Fas Adhesive presents no fire hazard during application.

It is non-toxic and practically odourless, which permits its use in refrigeration work. It resists exposure to water and water vapour. Its good alkali resistance permits use on new masonry surfaces (free of all form oil).

Kold-Fas Adhesive is chemically acceptable to the U.S. Department of Agriculture for use in meat and poultry processing areas under Federal Inspection, acceptance dated March 28, 1978.

Kold-Fas Adhesive meets FDA Regulations for Food additives as listed in CFR Title 21, revised as of April 1, 1977 being composed of ingredients acceptable for packaging and transporting food.

Limitations

Keep from freezing. Do not apply below 40°F (4°C) or above 100°F (38°C).

Some plastic foam insulations may be warped by water based adhesives. User should establish by his own tests that this will not occur.

On rough or uneven surfaces a thicker application of adhesive may be required in order to assure contact between insulation and substrate.

Very rough surfaces should be back-plastered.

Overhead applications require mechanical fasteners.



FOSTER KOLD-FAS ADHESIVE ASBESTOS-FREE 82-08

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 – Insulation Attachment

1. The entire metal surface shall be coated by brush, spray or trowel with Foster Kold-Fas[®] 82-08 at a coverage of 1.47 m²/litre. Allow an open time of 20 to 30 minutes to develop full tack.
2. Install insulation, apply pressure to assure complete and uniform contact to the metal surface.

Brush

Use clean paintbrush. Apply flooding brush coat of Kold-Fas and spread out evenly. Allow proper open time, then press insulation or sheet barrier firmly into place to obtain complete contact.

Gob

Apply gobs to insulation as specified.

Push Box

Place insulation board beneath serrated doctor blade in hopper and between close fitting sides of push box. Put Foster Kold-Fas adhesive into hopper area. Set doctor blade for desired wet thickness of Kold-Fas film. Push successive insulation boards through box making sure that hopper area is kept filled with adhesive. Check doctor blade setting occasionally. Press insulation firmly into place to obtain complete contact.

Spray Kold-Fas Adhesive may be applied by airless spray. For spray equipment information, please consult your spray equipment supplier.

Clean-Up Clean brushes and equipment with warm soapy water while wet or with mineral spirits (flammable) if dry. Non-flammable solvent such as methylene chloride is suitable when required.

For industrial use only.

This data sheet is based on specifications, data and test results available to us at the time of publication.

In the course of time changes herein may (have) take(n) place. No guarantee as to completeness, accuracy or results is either expressed or implied. The suitability to an intended use is the responsibility of the user. As material-choice, method of application and site conditions are beyond our control, we accept no liability for direct or consequential damages; our only obligation being to resupply ex our stores any material that is proved to be defective within the published* shelf life.

* If not applicable, within 6 months from date of supply.