



85-18 Foster WB adhesive

Colour

Cream

Application consistency

Brush or roller

Average density

1.45 kg/l (12.1 lbs/gal)

Average Non-Volatile (Solids)

80% by weight

Coverage range

(Subject to type of surface and nature of material to be bonded.)

Roller and Brush Application Rate:

3.7-14.7 m²/l (150-600 sq. ft./gal.)

Bonding time range

(Depending upon temperature and humidity)

Contact Bond: 15 minutes to 1 hours

Single Surface Wet Bond: 0-15 minutes

Service temperature limits:

-29°C to 98°C (-20°F to 200°F)

Wet flammability (ASTM D 93):

No flash to boiling 100°C (212°F)

FOSTER 85-18 Adhesive is a high tack, rapid setting water-base adhesive designed for bonding low density (up to 3#/cu. ft.) duct liner, duct wrap and fibrous glass insulations to painted or unpainted steel, galvanized or aluminium surfaces.

85-18 Adhesive is a solvent free, very low VOC synthetic elastomer emulsion. It is non-flammable when wet and fire-resistive when dry. It can be applied to either the metal or the insulation. The dry film stays moisture resistant.

85-18 Adhesive can also be applied as a contact bond adhesive being applied to both surfaces in areas where water entrapment may be a problem such as polystyrene to metal.

85-18 Adhesive is ideal for bonding fibrous glass insulation to concrete, block and other masonry surfaces in building construction.

85-18 Adhesive meets ASTM C916 Type II (ASC-A-7001A, Type II) adhesion requirements. Fire resistive properties to be determined.

Limitations

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

Avoid repositioning the insulation after initial placement.

Always test plastic foam insulation for warpage when using any water base adhesive.

Overhead applications may require mechanical fasteners.

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FOSTER WB ADHESIVE 85-18

Material preparation

Stir well, DO NOT THIN. Apply only to clean, dry, oil-free surfaces. Keep container closed when not in use.

Wet bond application

Apply 85-18 Adhesive to the metal surface uniformly at 300-600 ft²/gal. (7.4-14.7 m²/l). While still wet, press the insulation into place, making sure that complete contact is made with applied adhesive.

Contact bond application

Apply 85-18 Adhesive to the metal surface at 350-450 ft²/gal (8.6-11.0 m²/l). Coat the insulation surface at 120-180 ft²/gal (2.9-4.4 m²/l). Allow the adhesive to tack fully and allow most of the water to escape, 20-40 minutes depending on temperature and humidity. Position the two mating surfaces together and apply pressure to assure intimate contact. A hand roller is suitable for this purpose. Alternately apply the adhesive to the metal surface at a rate of 120-180 ft²/gal (2.9-4.4 m²/l) then press the insulation into the wet adhesive. Immediately remove the insulation and allow the water to fully flash from both surfaces (30 – 60 minutes). Reinstall insulation to surface using firm pressure over the entire surface.

Brush/Roller

Use clean equipment suitable for use with water base paints.

Clean-up

When wet, use warm (not hot) soapy water. When dry use mineral spirits (flammable) or chlorinated solvent (non-flammable).

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. The above tests were carried out in accordance with the above mentioned internal test standards and are indicative. 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*