



31-31 Insulfas® Coating

Colour
Off-White

Application Consistency
Brush or spray

Weight per U.S. Gallon (ASTM D1475)
10.4 pounds (1.25 kg/litre)

Average Non-Volatile
40% by volume

Coverage (FSTM 72)
(Subject to type of surface being coated.)
Wet coverages shown below are for smooth Non-porous surfaces. Porous or rough surfaces may require higher volume to attain required dry thickness.
40 to 80 sq. ft. per gallon (0.9 to 2.0 m²/litre)
0.040 in. to 0.020 in. wet film thickness
(1.0 to 0.5 mm).

Drying Time (ASTM D1640)
Set to Touch: 2 hours
Dry Through: 15 hours

Service Temperature Limits (FSTM 70)
(Temperature at coated surface)
0°F to 180°F (minus 18°C to 82°C)

Water Vapour Permeance (ASTM F 1249)
1.3 perm at .031 inch dry thickness
(0.9 metric perm at 0.8 mm)

Wet Flammability (ASTM D 93-73)
Non-flammable

Surface Burning Characteristics (ASTM E 84)
Flame Spread: 10
Smoke Developed: 5

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FSTM: Foster Standard Test Method

Foster Insulfas® Coating Asbestos-Free 31-31 is a light-coloured, tough, washable, abrasion-resistant coating for thermal insulation. It is also used for cementing laps of canvas or lagging cloth. It provides a protective finish for insulation on air conditioning ducts and cold water piping when applied in 2 coats with 10x10 white glass cloth embedded between coats. When relative humidity exceeds 75% for continuous periods or where the insulated piping or equipment contains chilled water, ice water, brine or refrigerant, vapour barrier protection is required. The successful performance of this finish system depends upon application over adequate insulation, so that under service conditions the surface temperature exceeds the dew point temperature.

Insulfas® Coating is compatible with expanded polystyrene, polyurethane foam, and other plastic foam insulations and can be used as a sealer coat to protect them from attack by solvents in chemical resistant finishes.

Limitations

Insulfas® Coating is a water based product and should not be stored or applied below 40°F (4°C) or above 100°F (38°C).



FOSTER INSULFAS® COATING ASBESTOS-FREE 31-31

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

Brush

Use clean paintbrushes (suitable for water-base paints). Apply with full brush and spread out evenly. Embed 10x10 white glass cloth (or other specified membrane) into the wet first coat and smooth out free of wrinkles. A broad trowel is convenient to use for this purpose. Apply second coat over membrane in the same manner. When used as a fabric lap adhesive apply Insulfas Coating uniformly to underside of lap or tape. Press lap or tape firmly into place to insure complete contact.

Spray

Insulfas Coating 31-31 may be airless spray applied. For spray equipment information please contact your spray equipment supplier.

Clean-Up

Use clean fresh water for cleaning brushes and equipment before product dries. Dry product may be removed with hot soapy water or strong solvent such as methylene chloride (non-flammable); or xylol (flammable).

Caution

If ingested may cause discomfort. Call a doctor. Avoid eye and skin contact. If eye contact occurs, rinse eye with fresh water for at least 15 minutes. See a doctor at once. If skin contact occurs, wash with mild soap and water. Remove contaminated clothing and wash before reuse.

KEEP OUT OF REACH OF CHILDREN

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.