



HT Silicate Adhesive 1000

Colour

Beige

Application Consistency

Brush, trowel

Average Weight (ASTM D 1475)

1.49 kg/l

Average Non-Volatile (ASTM D 2369)

41% by volume (63% by weight)

Coverage Range

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

Brush: 40 to 50 sq. ft. per gal. (1.0 to 1.2 m²/l) 0.032 in. to 0.040 in. (0.8 to 1.0 mm) wet film thickness.

Trowel: 25 to sq. ft. per gal. (0.6 to 0.7 m²/l) 0.032 in. to 0.064 in. (1.3 to 1.6 mm) wet film thickness.

Bonding Time

0 to 5 minutes

Service Temperature Limits

(Temperature at coated surface)
10°C to 1000°C

Wet Flammability (ASTM D 93)

No flash to boiling 212°F (100°C)

Dry Combustibility

Incombustible

HT Silicate Adhesive 1000 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.

HT Silicate Adhesive 1000 can also be used for lagging high temperature alkali resistant cloth on high temperature insulation.

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 basis, this product is not recommended for use with glass fibre 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.



HT SILICATE ADHESIVE 1000

Specification / Site instructions

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

To both surfaces of insulation apply a coat of HT Silicate Adhesive by brush or trowel at a coverage of 25 to 40 sq. ft./gal. (0.61 - 0.98 m²/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.

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.