

EXPERT™ KI-700 Weather Barrier Mastic for ASJ

Submittal Date _____

KNAUFINSULATION
it's time to save energy

Description

Knauf Insulation KI-700 is specifically designed for use on commercial and industrial ASJ jacketed insulation products. KI-700 is a heavy-bodied, water-based, vinyl acrylic mastic. It can be applied by either brush or trowel. KI-700 can be used over all types of insulation systems, both interior and exterior. It can also be applied over masonry surfaces and a variety of other substrates. When dry, it provides a tough, durable, flexible film which affords excellent protection from the elements and mechanical abuse over a wide range of ambient temperatures.

Features

- Smooth consistency which is easy to apply by brush or trowel
- Compatible with typical faced thermal insulations used on commercial and industrial projects
- Water based with quick drying time
- White color
- Made in the USA

Benefits

- Excellent bond to ASJ and FSK insulation facings
- Excellent initial tack and long-term adhesion
- Asbestos free
- Does not contain lead or mercury compounds
- Meets 25/50 flame and smoke requirements

Technical Data

Drying Time (ASTM D 1640)

(Depending upon temperature, relative humidity, and substrate)

To touch: 2 to 4 hours

Completely cured: 12 to 48 hours

Coverage (ASTM C 461)

Minimum of 13 sq ft/gal @ 63 mils dry thickness (.32 m²/liter @ 1.6 mm) and a maximum of 20 sq ft/gal @ 40 mils dry thickness (.5 m²/liter @ 1.0 mm)

Application Temperature Range

Can be effectively applied between 40°F to 120°F (4°C to 49°C)

Surface Temperature Range

0°F to 180°F constant (-18°C to 82°C)

-20°F to 200°F intermittent (-29°C to 93°C)

Surface Burning Characteristics

- UL listed
- Does not exceed 25 Flame Spread, 50 Smoke Developed when tested in accordance with ASTM E 84 and UL 723

Wet Flammability (ASTM D 93)

No flash to boiling up to, 212°F (100°C)

Volatile Organic Compound (VOC)

(SCAQMD Method 304 and EPA Method 24)

Calculated to be none

Elongation (ASTM D 2370)

1,500% (50 mils dry @ 70°F)

Maximum Recommended Shelf Life

18 months in unopened container at 40°F (4°C) to 90°F (32°C)

(Note: If stored correctly, product often remains stable much longer than this.)

Packaging

Available in 1 gallon, 2 gallon and 5 gallon containers.

Caution

The addition of water to this product will change its physical properties and will adversely affect its performance. No expressed or implied warranty will be offered on applications where the product has been thinned or altered in any way. Protect from freezing and from precipitation or condensation until it is completely cured.