

EXPERT™ KI-905 ASJ+ Mastic Vapor Retarder Coating Series

Submittal Date _____

KNAUFINSULATION
it's time to save energy

Description

Knauf Insulation KI-905 is an effective vapor-retarder coating for use over all types of jacketed thermal insulation. It is most suited for insulated systems which are operating below ambient temperature but not below 32° F, such as chilled water lines, air conditioning ducts, or other pipes or vessels within these temperature parameters. It is designed to match the sheen of ASJ+ facings.

Features

- Smooth consistency which is easy to apply by brush
- Compatible with thermal insulation used on commercial and industrial projects containing ASJ+, ASJ & FSK facings
- Water based with quick dry time
- White color
- Made in the USA

Benefits

- Excellent bond to ASJ+, ASJ and FSK insulation facing
- 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

Water Vapor Permeance (ASTM F 1249)

Less than .08 U.S. Perms at 32 mils dry film- (.05 Metric Perms); 100°F, 100% RH

Water Vapor Permeance (ASTM E 96A)

- .04 U.S. Perms at 40 mils dry film thickness

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 D 461)

25 sq ft/gal at recommended minimum thickness of 64 mils wet which yields a cured film thickness of 32 mils

Application Temperature Range

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

Surface Temperature Range

-20°F to 180°F (-29°C to 82°C). KI-905 will lose some flexibility at very cold temperatures and will soften at very warm temperatures

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)

90% (30 mils dry @ 70°F); (.76 mm dry @ 21°C)

Maximum Recommended Shelf Life

12 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.