

INSULATION ADHESIVE

#260200 - 5 gallon pail

SOLVENT FREE ADHESIVE FOR ATTACHMENT OF INSULATION

Description

Insulation Adhesive is a one part solvent free, moisture curing, asphaltic urethane adhesive possessing high elastomeric and adhesive characteristics.

Uses

Insulation Adhesive is used in roofing systems for bonding approved insulations to base sheets, structural roof decks, and other approved insulations.

Limitations

Do not apply when ambient or material temperature is below 45°F (7°C). Do not use with expanded polystyrene, extruded polystyrene, phenolic, or cellular glass insulation. Do not adhere directly to wood, poured in glass gypsum, or light-weight concrete decks. Do not apply to structural roof deck without primer. Care must be taken to ensure insulation board quality is not lost due to improper storage or handling. Shelf life is 6 months in a unopened container.

Property	Typical Value	Test Method
Volatile Organic Content	20 g/l	ASTM D 3960-93
Asbestos Content	None	EPA 600/R-93/116
Viscosity @ 77°F (25°C)	70,000 (70Pa-s)	ASTM D 2556-93a
Non-Volatile Content	98% (1993)	ASTM D 1644-88
Density @ 77°F (25°C)	8.5 lb./gal (1016 g/l)	ASTM D 1875-90
Tensile Strength @ 77°F (25°C)	200 psi (1379kPa)	ASTM D 412-92
Elongation @ 77°F (25°C)	1200%	ASTM D 412-92
Adhesion Strength in Shear @ 77°F (25°C)	80 psi (552kPa)	ASTM D 816-82 (1993)
Average T-peel Strength @ 77°F (25°C)	15 lb. (66N)	ASTM D 1876-93
Low Temp Flexibility	Pass @ -60°F (-51°C)	ASTM D 816-82 (1993)

Technical Data

Acceptable Insulations

Maximum board size for all insulation is 4'x4'.

Wood Fiber.....1"*

Gypsum.....5/8"

Isocyanurate.....1 1/2"

Dens-Deck.....1/4"

*25/32" six side asphalt coated 4'x8' wood fiber is also an accepted insulation.

Approvals

UL and FM approved. Consult current directories for specific approvals.

Coverage Rates

Apply to either substrate or insulation board in 1/2" to 3/4" diameter ribbons at required coverage rate. Set insulation board into adhesive immediately. Step board in. Do not allow adhesive to skim over. Stagger offset joints as specified.

Concrete.....1 1/2 gal (5.7L)

Metal.....1 gal (3.8L)

Concrete.....1 1/2 gal (5.7L)

Metal.....1 gal (3.8L)

Base Sheet.....1 gal (5.7L)

Insulation (Multi-Layer).....1 to 1 1/2 gal (3.8 to 5.7L)

One gallons per squares requires hour 4ft. x 1/2" diameter ribbons per 4'x4' board. One and one half gallon per square requires six 4ft. x 1/2"; diameter ribbons per 4'x4' board. Insulation Adhesive Applicator is recommended to ensure uniform ribbon diameter.

Preparation

Areas to receive Insulation Adhesive must be clean, dry, and free of dust, dirt, and other foreign matter which may adversely affect adhesion. All substrates except when bonding insulation to insulation or to a freshly applied basesheet must be primed with Insulation



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Adhesive Primer and allowed to dry thoroughly. Obtain and read specifications for directions when applying Insulation Adhesive Primer.

Maintenance

It is recommended that the installation be inspected on a regular schedule with additional inspections after the system has been exposed to severe weather conditions.

Technical Services

Technical advice or service on suitability of material for specific application and end-use requirements is available from the manufacturer. Refer to label and Material Safety Data Sheet (MSDS) for precautionary information.



Republic Powdered Metals, Inc.
2628 Pearl Road • Medina, OH 44256
800/551-7081 • Fax: 800/382-1218 • www.rpmrepublic.com

The information provided on this data sheet is effective as of January 2009 and supersedes all previous data concerning this product and its application.

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