IB® Rapid Set Adhesive

IB Roof Systems®

Product Description:
IB® Rapid Set Adhesive is an all-purpose, solvent free, low viscosity, two-component, essentially VOC free, low rise, polyurethane foam adhesive designed to be installed with the One Step™ applicator device.

Packaging:
1.5L dual cartridges │4 per case │Weight: 18 lbs. / case

Color:
Off white-light amber when dispensed

Use:
IB Rapid Set Adhesive is designed for use as an adhesive for bonding approved roof insulations to a building's structural roof deck, vapor retarders, other insulation boards, and smooth or properly prepared existing roof surfaces.

Features:
• Non-penetrating attachment system
• Rapid application, sets in minutes
• No temperature restrictions, suitable for all climate zones
• Solvent free, no odors

Approximate Coverage*		
Rapid Set Adhesive (1.5L cartridge)	Ribbon Rate of Application*	Ribbon Coverage**
	0.25" – 0.5" bead, @ 12" o.c.	400-600 sq. ft..

*Note conditions – i.e. Standard Temperature/Humidity Conditions (70°F / 50% RH)

**Coverage rate estimates indicate total square feet of insulation attachment per kit. Rates are based on an application pattern of four (4) ribbons ¼"- ½" (0.6-1.3 cm) wide, spaced at 12" (30 cm) o.c. per 4' x 4' (1.2m x 1.2m) insulation board. Coverage rates may vary based on ambient temperature, substrate condition and application methods used.

Approvals:
Florida Building Code (FBC), FM Approvals (FM), ICC/ES, Miami-Dade County, and Underwriters Laboratories (UL). Refer to individual assembly approvals for additional information and requirements.

Safety:
Read label and safety data sheet prior to use for complete safety, precaution and warning information prior to using this product. Read all instructions, and SDS (Section 8) prior to use of any product.

Acceptable Substrates[1]:
Only the following substrates are acceptable for use to receive the IB® Rapid Set Adhesive:
• Brick/Masonry/CMU, Cementitious Wood Fiber
• Concrete, Gypsum, and Lightweight Insulating Concrete
• Wood (Dimensional Lumber, OSB, Plywood)
• Steel - Minimum 22-gauge
• Approved Insulations (IB EnergyBoard II, III, IB HD ISO, other approved polyiso, EPS, XPS)
• Most gypsum coverboards rated for adhered applications.
• Smooth or granulated asphaltic and modified bitumen roofs

[1]Substrates and all surfaces must be clean, dry, and free of dirt, dust, debris, oils, loose and/or embedded gravel. IB Roof Systems recommends insulation adhesion pull tests in accordance with ANSI/SPRI IA-1 prior to beginning work to confirm acceptable uplift resistance.

Temperature Guidelines/Storage & Handling:
Store in a dry area. **PROTECT FROM FREEZING**! Optimum chemical storage temperature is 60-85°F (16-29°C). Bring temperature of material to approximately 70°F (21°C) for approximately 24 hours before use. Do not store in direct sunlight or above 90°F (32°C). IB® Rapid Set Adhesive has a shelf life of 18 months when stored properly.

Limitations:
• Do not use when ambient, substrate or product temperatures are outside specified temperature ranges.
• Do not use during inclement weather, on wet surfaces or on any roof deck showing signs of deterioration or loss of structural integrity.
• Do not use after the expiration date.
• Approved existing roof surfaces must be clean, dry, smooth and adequately attached to resist wind loads.
• Not recommended for use with insulation boards larger than 4'x4'.
• Do not use warped or curled insulation boards. All insulation boards must lay flat upon the roof surface.

Surface Preparation:
Refer to IB Specifications and Construction Details for additional installation instructions. All surfaces should be dry, free of dirt, dust, debris, oils, loose gravel, un-adhered coatings, deteriorated membrane and other contaminants that may result in a surface that is not sound or uneven.

Equipment:
IB® Rapid Set Adhesive s dispensed through any of the application tools designed for dual cartridge delivery systems including the Patented Multi-Bead and Multi-Bead Plus applicators, the Battery Powered Single Bead Applicator, Pneumatic Single Bead Applicator, Ultra Drive Manual Applicator, or the Heavy-Duty Manual Applicator.

Application:

1. Read all instructions, Product Guidelines, and SDS prior to use of any product.
2. Remove snap off tip from the cartridge mixing head and keep for re-use.
3. Attach a provided mixing nozzle to the threaded mixing head.
4. Place the cartridge into the appropriate One Step™ applicator. Caution: Adhesive should be dispensed immediately after loading the cartridge into the dispensing tool to prevent adhesive from foaming and curing in the mixing tip.
5. Apply IB Rapid Set Adhesive directly to the substrate, using a ribbon pattern. Space 1/4" to 1/2" (0.6 to 1.3 cm) wide beads, 12" (30 cm) o.c., to achieve proper coverage rates for insulation attachment. As adhesive is applied, immediately place insulation board into wet adhesive. Do not allow the adhesive to skin over. Eliminate uneven surfaces to ensure positive contact between the insulation board and substrate. **Note**: Alternate bead spacing ribbon patterns may be required in prescriptive enhancement zones or as necessary to achieve desired uplift resistance. This will reduce coverage rates due to increased material usage.
6. Un-used material can be applied later by simply removing the used static mixing tip, wiping the neck of the cartridge clean and plugging the cartridges with provided snap off tips.
7. Caution: IB Rapid Set Adhesive reacts quickly in warm, moist climates. Applicator must set insulation boards quickly in these conditions.