

CR-20

Product Description:

CR-20 is a low pressure, two-component, polyurethane foam adhesive designed to adhere a variety of IB approved insulations, cover boards, thermal barriers and fleeceback membrane to a variety of roof substrates in both new and re-roof applications.

Packaging:

Part A & B Cylinder, includes hose kit with mixing nozzles.

Features:

- Non-penetrating attachment system
- Odor free
- Low VOC
- Reduces construction noise
- Rapid application

Board Application:

Refer to IB Specifications and Construction Details for additional installation instructions. CR-20 adhesive can be used to install IB roof insulation and cover boards over approved dry, clean substrates. Installation over existing smooth or gravel surfaced asphalt roofs (gravel removed) requires additional preparation.

Coverage:

- Approximate Coverage: 1,800-2,000 sq. ft. per set (2.5" - 3.5" wide beads @ 12" o.c. rows)

Membrane Application:

Refer to IB Specifications and Construction Details for additional installation instructions. Only CR-20 (standard formula) adhesive can be used to install IB fleeceback membrane to a variety of substrates including insulation boards, cover boards, structural concrete and approved, prepared existing smooth or granule surfaced modified bitumen or asphalt BUR roofs.

Coverage:

- Approximate Coverage: 1,800-2,200 sq. ft. per set
- Application should exhibit full coverage in a uniform open spatter pattern with 1/4" - 1/2" thickness at peaks.

Substrates¹:

- Structural concrete
- Gypsum
- Lightweight Insulating Concrete
- Cementitious wood fiber
- Plywood
- Smooth surfaced and Granular Asphalt BUR (weathered)
- Smooth and Granular surface SBS Modified Bitumen
- Granular APP Modified Bitumen

¹Substrates 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.

Storage & Handling:

- Store between 60°F and 90°F. Protect from freezing
- Product temperature prior to application: 70° - 90°F

Approvals:

Underwriters Laboratories, FM Approvals, Miami-Dade County and Florida Building Code Product Approvals. Refer to individual assembly approvals for additional information and requirements.

Limitations:

- 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
- Ambient and surface temperature: 40°F and rising
- Use at temperatures above 90°F requires additional monitoring to ensure the adhesive has not skinned over or dried prior to installing insulation or membrane components

Weight	
Part A Cylinder	40 lbs.
Part B Cylinder	35 lbs.

Properties	
Open Time (2.5" bead)	1 - 10 minutes ¹
Mixing Nozzle Working Time	1 minute ¹
Set-up Time	10 - 20 minutes ¹
Cure Time	24 hours

¹Times may be affected by temperature and weather conditions