

Product Description:

Polyset® CR-20 is a low pressure, two-component, spray 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:

Kit includes Part A & Part B Cylinders, 25 ft hose, Handi-Gun, and ColorWise Temperature Warning mixing nozzles.

Features:

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

Approximate Coverage* and Weight				
Product	Weight		Membrane Spatter Coverage*	Insulation Ribbon Coverage*
			1/4" to 1/2" nom. thickness	2.5" - 3.5" bead, @ 12" o.c.
PolySet CR-20	A	B	2,000 sq. ft.	1800-2,000 sq. ft.
	40 lbs	35 lbs		

*Coverage rates may vary based on ambient temperature, substrate condition and application methods used

Substrates¹:

- Concrete, Cementitious Wood Fiber, Gypsum, Lightweight Insulating Concrete, Steel or Wood Decks
- Approved Insulations (EPS, XPS, ISO, HD ISO)
- Approved Cover Boards (Gypsum, Mineral Wool, Wood Fiber)
- Smooth surface and Granular Asphalt BUR (aged)
- Smooth and Granular surfaced 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.

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. Only CR-20 (standard formula) adhesive can be used to install IB Fleeceback membrane to a variety of roof substrates including insulation boards, cover boards, structural concrete and approved, prepared existing smooth or granule surfaced modified bitumen roofs. Read all instructions, ICP Product Stewardship Guidelines, and SDS prior to use of any product. For additional information go to www.polysetadhesives.com.



Approvals:

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

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
¹ Times may be affected by temperature and weather conditions	

Temperature Guidelines/Storage & Handling:

Store in a dry area. Protect from freezing. Optimum chemical storage temperature is 60-90°F (15-32°C). Internal Chemical Temperature at Application: Warm or cool product temperature to 70-85°F/20-30°C prior to use. Outside Application Temperature / Ambient is 40°F (4°C) and rising. Substrate Surface Temperature Range: 40-100°F (4-38°C). Temperatures above or below Optimal Application range require additional monitoring and may affect tack/cure times, adhesion performance and application rates.

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.