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# Ram 203 Membrane Protection Course

## PRODUCT DESCRIPTION

Barrett Ram 203 Membrane Protection Course is a multi-purpose SBS polymer-modified, fiberglass reinforced asphalt membrane with sanded surfaces, top and bottom. The polymer modification enhances this products elongation, elastic and flexibility properties. The fiberglass reinforcement gives the composite membrane the tensile strength and toughness necessary to accommodate moderate exposures.

This medium-duty membrane is utilized as a protection course in various waterproofing applications, including Barrett's Ram-Tough 250 waterproofing system. Ram 203 is typically installed into the top coating of the waterproofing membrane system. It is compatible with hot or cold applied asphalt bitumens.

## FEATURES

- Enhanced physical properties through polymer modification
- Consistent premium quality
- Superior elongation and cold-temp flexibility properties
- Excellent strength properties

## BENEFITS

- Flexibility makes installation easier
- Polymer modification reduces potential for thermal stress
- Resists moderate construction traffic
- Adapts to extreme temperature ranges
- Compatible with all Barrett hot and cold applied adhesives

## PACKAGING

Roll width	39 inches (1m)
Roll length	49 ft. (14.9m)
Roll size	159 sq.ft. (14.8m <sup>2</sup> )
Net coverage	150 sq.ft. (13.9m <sup>2</sup> )
Roll weight	90 lbs.(40.8 kg)
Pallet size	48" x 48" (1.2m x 1.2m)
Rolls per pallet	30
Weight per pallet	2700 lbs.(1224.7kg)
(approx.)	
Pallets per truckload	20 (approx.)

## TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Typical Value
Max. Load at 0±3.6°F (lbf/in)	ASTM D-6163	91 (15.9 kN/m)
Elongation at 0±3.6°F (%)	ASTM D-6163	4.5
Max. Load at 73.4±3.6°F (lbf/in)	ASTM D-6163	41 (7.2 kN/m)
Elongation at 73.4±3.6°F (%)	ASTM D-6163	3.7
Tear Strength at 73.4±3.6°F (lbf)	ASTM D-6163	73 (12.8 kN/m)
Low Temp. Flex 0°F Max.	ASTM D-6163	-15 (26.1°C)
Dimensional Stability (%) Max.	ASTM D-6163	<0.1
Compound Stability Temp (°F)	ASTM D-6163	250 (121°C)
Thickness (mm)	-	2.2mm/86mils
Reinforcement	-	fiberglass

## APPLICATION GUIDELINES

When installing Ram 203, press the sheet into the hot or cold bitumen, making sure that it is totally adhered to its substrate. Wrinkles, buckles, fishmouths, etc. are to be cut out and repaired. Ram 203 shall over lap the proceeding sheet by a minimum of 2 inches (50.8mm). End laps shall be minimum 6 inches (152.4 mm).

## STORAGE

All material should be stored on end with its original label and out of the weather. If this material is to be stored outside, it is to be stored on end, elevated off the deck or ground and covered with an opaque, breathable and waterproof cover.

## APPLICATION PRECAUTIONS

- Do not apply to wet or damp surfaces
- Do not torch apply
- Avoid contact with petroleum products, oils, grease, animal fats and other foreign materials which could affect this products performance.
- Not for use with potable water collection systems.
- **READ MATERIAL SAFETY DATA SHEET BEFORE USING**
- **FOR PROFESSIONAL ROOFING CONTRACTOR USE ONLY**

## **PRODUCT SAFETY INFORMATION**

Ram 203 Membrane Protection Course offers no unusual health or safety risks for a product of this nature. As with any roofing process, proper ventilation, clothing and eye protection is important.

For specific information, contact the Barrett Company for a current Material Safety Data Sheet on this product.

The user should not assume that all safety measures are indicated or that other measures may not be required.

### **Note**

Metric conversions are rounded and may not be exact.

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