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# Ram 40 Polyester/Fiberglass Composite Membrane Reinforcement

## PRODUCT DESCRIPTION

Ram 40 is a trilaminate polyester and fiberglass reinforcement sheet, saturated and coated with asphalt. It is designed for use in both cold and hot applied built-up membrane assemblies. Ram 40 is heavily saturated and coated with a weathering grade asphalt for added protection. This heavy duty reinforced composite sheet provides high tensile and puncture resistance while remaining flexible enough to conform to minor irregular roof deck surfaces.

## USE

- Base and ply sheet for hot or cold applied built-up roofing
- Reinforcement in hot or cold applied waterproofing systems
- Component in built-up composite flashing assemblies
- Recommended with Barrett's KLB-100, KLB-100ES, K-312, ST 150, ST 300, ST 500 and Demi-Mop hot applied asphalt roofing bitumens
- Recommended with Barrett's Ram ColdTar<sup>®</sup>, CP 80 and CP 50 cold applied roofing bitumens

## FEATURES

- High tensile strength
- High puncture and tear resistance
- Improved conformance to irregular surfaces
- Use with hot or cold process applications

## BENEFITS

- Easy installation reduces application time
- Superior durability
- Cost effective
- Proven performance

## PACKAGING

Roll Size - 36 inches x 72 ft. (200 sq.ft. coverage)  
Roll Weight - 70 lbs. per roll  
20 rolls per pallet  
Pallet Weight - 1400 lbs. (approx.)

## TYPICAL PHYSICAL PROPERTIES

| Physical Property                                 | Method      | Typical Results       |
|---|-------------|-----------------------|
| Weight  | ASTM-228    | 32 lb/100 sq.ft.      |
| Breaking Strength. lbf/in                         | ASTM D-146  | 120 (MD)<br>130 (XMD) |
| Pliability<br>1/2 inch radius bend                | ASTM D-146  | No Failures           |
| Mass of De-saturated<br>Polyester/glass mat, min. | ASTM D-228  | 2.2 lb/100 sq.ft.     |
| Tear strength                                     | ASTM D-1117 | 15 lbf (MD)           |
| Surfacing /stabilized max.                        | ASTM D-4601 | 48%                   |
| Asphalt   | ASTM D-228  | 10 lb/100 sq.ft.      |
| Puncture Resistance                               | ASTM E-154  | 120 lbf               |

## APPLICATION RATES

Depending on the specified assembly, Ram 40 can be laid as individual layers or shingle fashion. When laying it as an individual layer, overlap the proceeding sheet by not less than 3 inches. End laps should be at least 6 inches. When installing it shingle fashion, overlap the proceeding sheet 19 inches for a 2 ply application, 24 2/3 inches for a 3 ply application and 27 1/2 inches for a 4 ply application. In all case the end laps shall be not less than 6 inches and staggered.

All plies should be installed in one operation. Phase construction is not recommended

In all cases, each ply must be embedded in and top coated with, a solid coat of the specified waterproofing bitumen, while it is still liquid. Immediately following installation, and before the bitumen takes a set, use a broom or squeegee to press the Ram 40 sheet into place, using care not to leave air pockets, create wrinkles or fish-mouths. In no place shall one ply touch another. If the sheet is not set straight and begins to run off a true straight line, cut the roll and reset it overlapping the end sheet by 12 inches.

Do not leave exposed overnight or to inclement weather.

Keep material dry and protected from damage before installation.

## **APPLICATION PRECAUTIONS**

- Store in dry protected location
- Do not apply to wet or damp surfaces
- Do not smoke or expose to open flames during application
- **READ MATERIAL SAFETY DATA SHEET BEFORE USING**
- **FOR PROFESSIONAL ROOFING CONTRACTOR USE ONLY.**

## **PRODUCT SAFETY INFORMATION**

Ram 40 membrane reinforcement 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**

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