

# KM EPDM Rubber

## Waterproofing Membrane

### Material Description

KM EPDM [Ethylene Propylene Dien Monomer] Rubber waterproofing membrane is a non-reinforced, cured, single-ply, high quality synthetic rubber that can be used in ballasted, fully adhered and mechanically attached systems.

Compatible with all other waterproofing systems.

### Key Performance Properties

- **Watertight Joints**

Excellent Water Resistance

- **Durable**

Outstanding Ozone/ UV and Weather Resistance. Superior Resistance against moisture, fungus growth, vermin and rodent attack. High resistance to traction and to tearing.

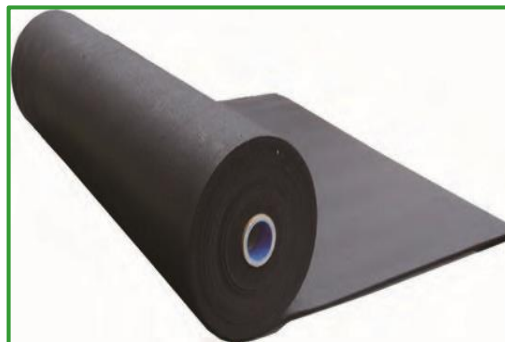
- **Allows All Movements [Horizontal, Vertical and Shear]**

Flexibility of rubber allows lateral elongation and shearing.

- **Easy to Install**

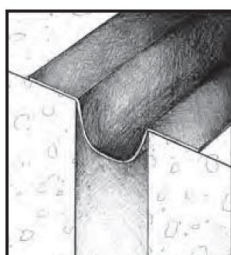
Use of suitable adhesive or mechanical fixations for quick and easy installation. Provide the Finished Joint a neat aesthetic appearance.

~ Please consult our technical services for any enquiries and application concerns.

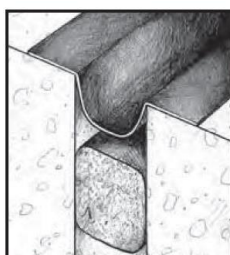


### Technical Performance

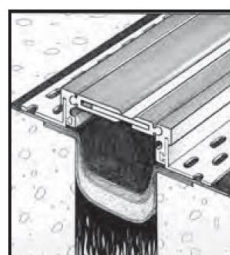
| Physical Properties               |            | Results                  | Test Methods |
|-----------------------------------|------------|--------------------------|--------------|
| Material                          |            | EPDM blend with Additive | -            |
| Finishing                         | -          | Equal, Homogeneous       | Visual       |
| Thickness                         | mm         | 1, 1.5 or 2              | -            |
| Density                           | Kg / Liter | 1.23                     | ISO 7619     |
| Tensile Strength                  | MPa        | > 11                     | ISO 37       |
| Elongation at Break               | %          | > 540                    | ISO 37       |
| Durometer Shore A Hardness        | -          | 65 ± 5                   | ISO 7619     |
| Resistance to tearing             | N / mm     | 12                       | ASTM D 395   |
| Dimensional Stability, 24h/ 100°C | %          | 0.1                      | UEAtc        |
| Temperature Resistance            | °C         | - 40 to +100             | ASTM D1328   |



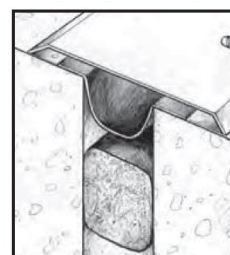
Waterproofing membrane for expansion joints



Waterproofing membrane with fire stop backer rod



Waterproofing membrane with fire stop blanket and mechanical expansion joint



Waterproofing membrane with fire stop backer rod and joint cover



# KM EPDM Rubber

## Waterproofing Membrane

### Preparation of Substrate

- Substrates must be clean, dry, smooth, and free of sharp edges, fins, loose or foreign materials, oil, grease, and other materials that may damage the membrane.
- All roughened surfaces that can damage the membrane shall be repaired as specified to offer a smooth surface.
- All surface voids greater than 6mm wide shall be properly filled with an acceptable.

### Installation

- Ensure clean and sound surface
- For Installation at Joints:

Apply compatible bonding adhesive, e.g. SHARPIE Elastic Bond P-fix Sealant, MSC1-07, along the perimeter of the joints.

For Wide Surface application, to apply SHARPIE MSC1-07, or KM Solvent Adhesive over the whole surface, prior to laying KM EPDM Rubber Membrane.

- Treatment of edge is recommended with proper fill of sealant adhesive filler and/ or mechanical secure.

### Packing & Customization

- Available Thickness: 1, 1.5 or 2 mm
- Standard Width: Up to 1200 mm
- Length: 20-Meter per Roll

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