



Between the World
and The Weather
Since 1928

Advantages of Ram-Tough 250 Over EPDM Sheet Membrane

Like EPDM, rubberized asphalt has:

- High productivity and quick application
- Membrane costs are competitive in similar assemblies
- Similar historical exposure of 40+ years
- Approved applicator network
- Similar watertight warranties

Unlike EPDM, **Ram-Tough 250**:

- **Ram-Tough 250** does not have any seams or joints and forms a completely monolithic rubberized membrane. EPDM does have extensive seaming and jointing at roof projections and roof laps; they are glued 'weak links' typically with 2-3 pounds per inch of peel resistance strength, "things always seem to come apart at the seams".
- EPDM 45 mil sheet is prone to punctures and cuts, especially with soft rigid insulation as a substrate. **Ram-Tough 250** at 215 mils installed over solid substrates is not only more resistant to cuts and punctures, it will generally 'self-heal' to cure minor cuts and punctures in warmer temperatures, impossible with EPDM.
- **Ram-Tough 250** leak repair is relatively simple. With 100% tenacious bonding, water does not travel underneath the membrane. Where it leaks below, the damage is close by above: EPDM sheet, loose laid or adhered, will allow water migration under the sheet, often for hundreds of feet. Leak tracing can be exasperating, if not impossible.
- EPDM requires use of special glues, adhesives, caulks, solvents, and other materials related to worker health safety as well as logistical supply problems. Special worker precautions may be required. **Ram-Tough 250** requires no such accessories.
- EPDM, a thermal-set material, is difficult to adhere together and cannot be fused or 'welded', demanding significant workmanship expertise; **Ram-Tough 250**, a thermoplastic material, which will "weld" and fuse into a monolithic membrane when hot material is applied to cold material, upon contact. **Ram-Tough 250** is significantly less demanding of application expertise, a huge advantage.
- EPDM adhesives, sealants and caulks are difficult to work with in cold weather and must be kept warm for at least four hours prior to application. **Ram-Tough 250** requires no such pre-warming and can be applied at 0°F.
- EPDM, at 45 mils thickness, provides less than one-fourth the protective thickness of **Ram-Tough 250**'s 215-mils.
- **Ram-Tough 250**, because of its tenacious bond, cannot suffer windstorm blow-off. EPDM ballasted membranes are prone to wind flutter, uplift problems and "blow-offs" in high wind conditions.
- EPDM requires temporary water cut-offs each working night and water travel under completed roofing from adjoining uncompleted roofing areas is a common problem. This problem is completely eliminated with **Ram-Tough 250**.

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