

Advantages of ram-Tough 250 Over EPDM Sheet Membrane

Like EPDM, rubberized asphalt has

- Comparable high productivity – quick application
- Membrane cost are competitive
- Similar historical exposure of 30+ 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 the ‘wear links’ generally with only 3 to 5 pounds per inch peel strength.
- EPDM 45 mil cured sheet is prone to punctures and cuts, especially with soft rigid insulation below; ram-Tough 250 at 215 mils is not only more resistant to cuts and punctures, it will generally ‘self-seal’ or cure minor cuts and punctures.
- ram-Tough 250 leak repair is relatively simple – with 100% tenacious bonding, water cannot travel underneath the membrane – where it leaks below, the damage is above; EPDM sheet, loose laid or adhered, will allow water migration for hundreds of feet – leak tracing can be exasperating, if not impossible. Adhering EPDM offers false security as the adhesive is a 5-10 mil adhesive layer that breaks down when wet.
- EPDM requires use of special glue, adhesives, caulks, solvents, and other toxic materials related to worker health safety as well as logistical supply problems; thus special worker precautions should be required. ram-Tough 250 requires no such accessories.
- EPDM, a thermal setting material, is difficult to adhere together and cannot be fused or ‘welded’, demanding significant workmanship expertise; ram-Tough 250, a thermoplastic material, will weld and fuse into monolithic membrane upon contact and it is less demanding of application expertise.

- 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 can easily be applied at 0°F.
- EPDM at 45 mils thickness provides almost one-fifth 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 membrane is prone to wind uplift problems.
- EPDM requires temporary water cut-offs each working night, and water travel under completed roofing from adjoining uncompleted roofing areas is always a common problem – which is eliminated with ram-Tough 250.