



Features & Durability comparison Chart

Properties	EPDM RUBBER SHEET/ TPO (Readymade membrane)	Liquid Membrane System (ENIROOF GOLD, EMB & SPR)
Dead Weight/SM	EPDM- 1.9-2.1 Kg, TPO- 1.5-2.0 Kg	500-700 Gms
UV Resistance	EPDM- Excellent, TPO- Non UV resistance & UV Resistance options are available	Excellent
Bond Strength	Week bonding to Surface due to different adhesive or no bonding in Loose laid method	Excellent bonding because of self priming or compatible priming.
Heat resistance	EPDM: Excellent, TPO- Low	Excellent up to 120 C
Temperature range	EPDM: -25 to 150 C, TPO: -25 to 90 C	Liquid Membranes -25 to 120 C
Joints/ Seams	Nos of joints leads to failure. Adhesives shrinks with time and give space to water	No joints, Seamless coating
Elongation	up to 350%	Up to 1000%
Set tensile Recovery	95-100%	95-97 %
Reinforcement	Readymade reinforcement	Various option starting from Fiber Mesh to Geo fabric
Fixing/Installation	EPDM: Easy on Flat roof, But tough on complex roofs, TPO: Tough specially in low temperature. Skilled Applicators needed	Easy application, No highly skilled applicators needed
Water Resistance	Excellent but Poor on joints	Excellent all over
Repair/Maintenance	Tough to fix problem, replacement is only solution	can be repaired easily with same material
Chemical Resistance	EPDM: Excellent, TPO: Good	Excellent
Compatibility with other building material	Adhesive needed for bonding	Compatible with Rubber, PVC, Polycarbonate, metal (With Different primer) and most of the building material.