



Underseal® PRM

PRODUCT OVERVIEW

Underseal® PRM™ - Puncture Resistant Membrane - is a strong, self-adhering, 65-mil, post-concrete pour sheet waterproofing membrane/vapor retarder with a double thick, high-strength, co-extruded backing laminated to a thick layer of rubberized asphalt compound. Underseal® PRM™ adheres tightly and permanently to concrete. The backing forms a continuous barrier to water and moisture vapor entry. Underseal® PRM™ can be used in both horizontal and vertical applications.

VERTICAL APPLICATION: Underseal® PRM™ can be used in wall applications when applied to the exterior side of vertical concrete foundation walls, tunnels, and related applications where waterproofing is critical. It allows for faster waterproofing applications by eliminating the step to install an additional protection course prior to backfilling with clean fill.

HORIZONTAL APPLICATION: Underseal® PRM™ can be applied to horizontal slab applications such as parking garages, plaza decks, plywood decks and related applications and allows for concrete topping slab installation without the need for a separate protection course in most situations.

- Strong, self-adhering sheet membrane with a thick, high strength, tough co-extruded backing.
- Outstanding Puncture Resistance: 2 times higher than the new AC 527 requirement - Better protection against backfill damage.
- Superior Joints: Strong laps seams create a long lasting, water tight system - Outperforms the new AC 527 standard (ASTM 1876) by more than 150%.
- Allows for faster waterproofing applications by eliminating the step to install an additional protection course prior to backfilling when using clean fill.
- Designed for application to HORIZONTAL slabs such as parking garages, plaza decks, plywood decks, and related applications where waterproofing is critical.
- Designed for application to the exterior sides of VERTICAL concrete foundation walls, tunnels, and related applications where waterproofing is critical.
- Can be utilized in the Dual Core System that capitalizes on both the advantages of a fluid-applied and sheet-applied membrane in a single system.
- Jobsite Adaptability: Flexible material that adapts to job site irregularities for ease of installation.

REV071024

Property		Typical Value
Film Color		Gray Opaque
Membrane Thickness		25°F to 185°F
Low Temperature Flexibility	ASTM E 2357	0.0037 cfm/ft ²
Resistance to Hydrostatic Head (minimum)	ASTM E 2178	0.003 cfm/ft ²
Elongation - Ultimate failure of rubberized asphalt	ASTM E 2178	0.002 cfm/ft ²
Tensile Strength of 1" Width	ASTM E 96 Method A	2.15 Perms
Crack Cycling	ASTM E 96 Method B	10 Perms
Puncture Resistance (minimum)	ASTM D 4541	> 100 PSI Average
Peel Adhesion to Concrete		500%
Lap Peel Adhesion	ASTM D 1970	Pass
Permeance to Water Vapor Transmission		
Water absorption (minimum)		
Resistance to Permeance by Methane Gas	By Manufacturer	Up to 1 Year
Resistance to Radioactive Radon Gas		Airlok Flex VP: 50 g/l-VOC
Resistance to Radioactive Radon Gas		

Companion Products

REV071024



3801 S. I-45 - Ennis, TX 75119

214-515-5000

www.polyguard.com

@polyguardproducts