



TECHNICAL DATA SHEET

PARASEAL® GM/LG - 60 MIL

HDPE/Bentonite Sheet Membrane
Dual Waterproofing System

PRODUCT DESCRIPTION

Paraseal® GM/LG - 60 mil is a sheet waterproofing and methane-mitigating membrane consisting of 60 mils of HDPE, expandable granular bentonite, and a protective layer of spun-bonded polyester. The composite weight of the sheet is up to 1.5 lb/ft², creating a dual waterproofing system. The HDPE extends beyond the bentonite on the perimeter edges to create a clean surface to extruded weld or wedge weld installation.

BASIC USES

Paraseal GM/LG - 60 mil is designed for use in post-installation submerged conditions, on blindside walls, shotcrete walls, and under slab where hydrostatic water head and/or methane conditions exist. It may also be used on backfilled walls.

FEATURES & BENEFITS

- The Paraseal GM/LG - 60 mil system combines the dual waterproofing system with wedge weld or extruded welded seams to create a robust yet flexible waterproofing and methane-mitigating membrane.
- The nature of the Paraseal waterproofing system also allows for installation over green or damp surfaces accelerating the construction process.
- The bentonite can expand up to 8 times its original thickness to stop water that may make it past the HDPE layer, providing a second layer of protection.

AVAILABILITY

Paraseal GM/LG - 60 mil is available from your local Tremco Sales Representative or Distributor. For Distributor locations, visit www.tremcosealants.com.

PACKAGING

8' x 180' (2.4 M x 54.86 M) rolls
17.5' x 180' (5.3 M x 54.86 M) rolls

STORAGE

Protect from moisture. Store on a skid or pallet and cover with polyethylene or tarp. Do not double stack pallets. Prevent hydration of bentonite until the sheet is installed and under recommended compaction.

APPLICABLE STANDARDS

Paraseal GM/LG - 60 mil meets the City of Los Angeles (COLA) approval Standards (RR25425).

LIMITATIONS

- Paraseal products require a minimum of 24 psf of compaction/confinement in order to function as designed.
- Paraseal GM/LG - 60 mil is not to be installed over ponding or standing water or snow.
- If ground water is brackish, please contact your local Tremco Sales Representative four weeks prior to a pending application, and provide a water and/or soil sample for testing purposes in order to determine the correct bentonite formula for your project's application.

- If backfill contains substantial amounts of either lava rock, basalt, or any other coarse or highly abrasive materials, a protection course or drainage mat may be required. Contact your local Tremco Sales Representative or Technical Service at 866-209-2404 for details.
- Use of Paraseal GM/LG - 60 mil in post-installation submerged conditions requires prior approval from Tremco.

WARRANTY

A repair or replacement warranty is available on all Tremco products. Visit <https://www.tremcosealants.com/warranties/> for details.

TYPICAL PHYSICAL PROPERTIES			
PROPERTY	DESCRIPTION		
Color (Bentonite/HDPE)	Gray/Black		
Installation Temperatures	-20 to 130 °F (-31.7 to 54.4 °C)		
Freeze/Thaw Cycles	No effect before or after installation		
Resistance to Chemicals & Gases	Extremely high resistance. Contact Tremco for specific information.		
Life Expectancy	Indefinite		
PROPERTY	TEST METHOD	TYPICAL VALUES US	TYPICAL VALUES SI
Elongation	ATM D412, Type IV Dumbbell	700%	
Strength at Break	ASTM D412	4,050 lb/in ²	284.74 kg/cm ²
Strength at Break	ASTM D6693, Type IV	243 lb/in	43.39 kg/cm
Resistance to Micro-organisms (bacteria, fungi, mold, yeast)	ASTM D4068	Unaffected	
Index Puncture Resistance	ASTM D4833	78.17 lb/ft	116.32 kg/M
Resistance to Hydrostatic Head Pressure	ASTM D5385	231 of H ₂ O	
Hydrostatic Resistance (with Para JT™- Tape)	ASTM D5385	>100 psi (>231 ft/H ₂ O)	>68.9 N/cm ² >70.4 M/H ₂ O
Permanence	ASTM E96	0.029 Perms	1.7 ng/Pa*s*m ²
Puncture Resistance (load)	ASTM E154	454 lbf	2019.49 N
All data based on 60-mil HDPE			

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

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