



# TECHNICAL DATA SHEET

## PARASEAL® GM/LG-20 MIL

HDPE/Bentonite Sheet Membrane  
Dual Waterproofing System

---

### PRODUCT DESCRIPTION

Paraseal® GM/LG-20 mil is a sheet waterproofing and methane-mitigating membrane consisting of 20 mils of HDPE, expandable, granular bentonite, and a protective layer of spun-bonded polyester. The composite weight of the material is up to 1.0 lb/ft<sup>2</sup>, creating a dual waterproofing system. The HDPE extends beyond the bentonite on the perimeter edges to create a clean surface for Para JT™ Tape and Parastick 'n' Dry® Tape Installation.

---

### BASIC USES

Paraseal GM/LG-20 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-20 mil system combines the dual waterproofing system, Para JT Tape seam tape and Parastick 'n' Dry Tape to create a robust yet flexible, waterproof, and methane-mitigating membrane.
- The nature of 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-20 mil is immediately available from your local Tremco Sales Representative or Distributor. For Distributor locations, visit [www.tremcosealants.com](http://www.tremcosealants.com).

---

### PACKAGING

4' x 24' (1.2 M x 7.3 M) rolls  
20 rolls/pallet

---

### 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.

---

### LIMITATIONS

- Paraseal products require a minimum of 24 psf of compaction/confinement.
- Paraseal GM/LG-20 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-20 mil in post installation, submerged conditions require 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	-25 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	ASTM D412, Type IV Dumbbell	500%	
Strength at Break	ASTM D412	4,000 lb.in <sup>2</sup>	281.22 kg/cm <sup>2</sup>
Strength at Break	ASTM D6693, Type IV	80 lb/in	14.28 kg/cm
Resistance to Micro-organisms (bacteria, fungi, mold, yeast)	ASTM D4068	Unaffected	
Index Puncture Resistance	ASTM D4833	36.67 lb/ft	54.57 kg/M
Resistance to Hydrostatic Head Pressure	ASTM D5385	231' of H <sub>2</sub> O	
Hydrostatic Resistance (with Para JT™ Tape)	ASTM D5385	>100 psi (>231 ft/H <sub>2</sub> O)	>68.9 N/cm <sup>2</sup> >70.4 M/H <sub>2</sub> O
Permanence	ASTM E96	0.029 US Perms	1.7 ng/Pa*s*m <sup>2</sup>
Puncture Resistance (load)	ASTM E154	155 lbf	689.47 N
All data base on 20-mil HDPE			

Please refer to our website at [www.tremcosealants.com](http://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.**

PARAGMLG20DS/0223

Tremco Construction Products Group (CPG) brings together Tremco CPG Inc. and its Dryvit and Nudura brands; Willseal; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc. and its Pure Air Control Services and Canam Building Envelope Specialists offerings; and Weatherproofing Technologies Canada, Inc.



[tremcosealants.com](http://tremcosealants.com) | 800.321.7906



Construction Products Group

3735 Green Rd. | Beachwood, OH 44122  
800.321.7906 | [tremcocpg.com](http://tremcocpg.com)