



TECHNICAL DATA SHEET

PARASEAL® LG
HDPE/Bentonite Sheet Membrane
Dual Waterproofing System

PRODUCT DESCRIPTION

Paraseal® LG is a sheet waterproofing membrane consisting of 20 mils of HDPE, expandable, granular bentonite and protective layer of spun-bonded polyester. The composite weight of the material is up to 1.0 lb/ft², creating a dual waterproofing membrane.

BASIC USES

Paraseal LG is designed for use over lagging on blindside walls, under slab and buried forms such as elevator pits. It may be used on backfilled walls.

FEATURES & BENEFITS

- The Paraseal LG system combines the dual waterproofing system with a protective third layer of spun bond polyester to keep the membrane intact during the concrete pour or shotcrete application.
- 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 LG is immediately available from your local Tremco Sales Representative or Distributor. For Distributor locations, visit 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.

FIRE RATED SYSTEMS

None presently listed. For firestop engineering judgement requests please visit www.tremcosealants.com or contact Tremco Technical Service at 866- 209-2404.

LIMITATIONS

- Paraseal products require a minimum of 24 psf of compaction/confinement.
- Paraseal LG 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.

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 and Gasses	Extremely high resistance. Contact Tremco for specific information		
Life Expectancy	Indefinite		
PROPERTY	TEST METHOD	VALUES US	VALUES SI
Elongation	ASTM D412 Type 4 Dumbbell	500%	
Strength at Break	ASTM D412	4,000 lb/in ²	281.22 kg/cm ²
Strength at Break	ASTM D6693, Type IV	80 lb/in	14.28 g/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 ₂ O	
Hydrostatic Resistance (with perm seam tape)	ASTM D5385	>100 psi (>231 ft/H ₂ O)	
Permanence	ASTM E96	0.029 US Perms	1.7 ng/Pa*s*M ²
Puncture Resistance (load)	ASTM E154	155 lbf	689.47 N
All data based on 20-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.

PARALGDS/1022

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 | 800.321.7906



Construction Products Group

3735 Green Rd. | Beachwood, OH 44122
800.321.7906 | tremcocpg.com