

TERM® Sealant Barrier

EPA Establishment No. 89537-TX-1

Product Data Sheet

DESCRIPTION

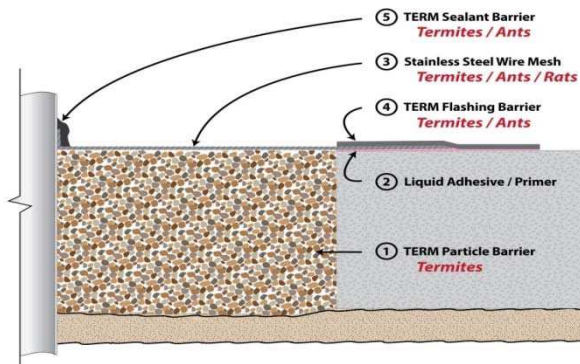
TERM Sealant Barrier is a sealant barrier, applied with a caulking gun or smoothing tool, and used for both waterproofing and insect exclusion. Here are some of the places where it is used:

1. To seal slab penetrations above slab against termite entry:



For a video showing application to an above slab penetration, go to <http://youtu.be/RGNHYQbPcZw>.

2. As a component of the TERM Full Bath Trap Barrier, to exclude termites, fire ants, rodents, moles, etc. from entry underneath bathtubs at ground level:



3. To detail small gaps found during construction in horizontal or vertical portions of the TERM building envelope pest barrier.

ADVANTAGES

TERM Sealant Barrier is a component of the non-structural *TERM Barrier System* which, when properly installed as part of the building envelope, acts as a barrier to almost all pests. Because almost all pests are excluded for the life of the structure, the need for pesticide treatment should be permanently and drastically reduced.

Documentation of insect exclusion attributes can be found at [Click Here](#)

DESCRIPTION OF COMPONENTS

TERM Sealant Barrier is a sealant formulated with a proprietary blend of polymers, asphalts, additives, and solvents.

REFERENCES

There are several ways in which LEED credits might be earned by incorporating TERM Barrier System components into the structure.

1. Increasingly, LEED has incorporated Integrated Pest Management (IPM) into standards.

LEED calls for IPM protocols in order to “minimize pest problems and exposure to pesticides”.

A key IPM element is; “Nonchemical pest preventative measures.....designed into the structure...”. *TERM Barriers* are nonchemical pest preventative measures.

2. LEED rating systems for homes incorporate (SSC5) *Non-toxic pest control*”. Two components found in the *TERM Barrier System* are mentioned; they are steel mesh and sand barriers. Both are used as termite barriers.

TERM Sealant Barrier / membranes are not mentioned, as they are only now entering the field for sustainable construction alternatives.

3. The incorporation of *TERM Sealant Barrier / membranes* into the building envelope should be a strong candidate for Innovation credit.
4. Finally, if the project site is former agriculture land with residual pesticide contamination, *TERM Barriers* may qualify under LEED IAQ Credit 5 - Indoor Chemical and Pollutant Source Control (below grade toxin barrier) or SS3 - Brownfield redevelopment.

INSTALLATION

It is recommended that the slab penetration and bath trap applications described above be performed by a Pest Management Professional who is licensed in the jurisdiction where the structure is located.

Safety

All *Polyguard* products must be handled in a safe manner. Some products (some mastics, primers, or sealants) contain solvents, and these deserve special attention to safety since their vapors are both flammable and harmful if inhaled. Read both the product label and the Safety Data Sheet (SDS) before use. SDS sheets can be obtained at our website www.polyguardproducts.com. Call *Polyguard* at 214-515-5000 if you have any questions.

Prohibit flames, sparks, welding and smoking during application.

Refer to product label for handling, using and storage precautions.

Solvents could be irritating to the eyes, flush with water and contact physician.

Avoid prolonged contact with skin and breathing of vapor or spray mist from liquid adhesive. *In confined areas, use adequate forced ventilation, fresh air masks, explosion-proof equipment and clean clothing.*

Detailed installation instructions (Guide specs)

Termite control at above grade plumbing penetrations and bath traps (02282) [Click Here](#)

Underslab Waterproofing with Insect Barrier: (071326) [Click Here](#)

Ultraviolet Protection:

TERM Sealant Barrier can be adversely affected by ultraviolet light. *TERM Sealant Barrier* should be covered as soon as possible and not left exposed to sunlight for over 30 days.

PACKAGING INFORMATION

Product	Unit of Measure	Approximate Coverage	Weight / Unit	Palletization
Polyguard TERM Sealant Barrier	5 Gal Pail or 4-1 Gal Pail	96 LF / gallon of ¼" bead (1/2" face)	50 lb. 37 lb.	36 Pails 54 Cartons
Polyguard TERM Sealant Barrier	10 oz. tubes (12 / carton)	15 LF / tube of ¼" bead (1/2" face)	10 lb / ctn	NA

PHYSICAL PROPERTIES

Typical Properties of TERM Sealant Barrier			
Property	Test Method	English	Metric
Color	--	Black	<i>Black</i>
Long Term Testing against Termite Penetration	ASTM D 1758-06 Texas A&M 4 Sites over 5 years vs. controls	100% effective	<i>100% effective</i>
Elongation of Barrier Sealant – Percent Stretch Before Failure	ASTM D 412	> 1000%	> 1000%
Pesticide Repellency (<i>Chlorodane, fipronil, permethrin</i>)	ASTM F 2130	0%	0%
Permeance to Moisture and Water Vapor	ASTM E 96-B Grains/ft2/hr/in HGF (<i>grains/hr/m2</i>)	.035	.023
Water Absorption	ASTM D 570	0.1%	0.1%
Low Temperature Flexibility	ASTM D 146 180° bend over 1" mandrel at -25°F (-32°C)	No cracking or delamination	No cracking or delamination

Inspection and Repairs

Visually inspect *TERM Sealant Barrier* for gaps where the sealant contacts the Sealant Barrier where water or insects could gain entry. Make repairs by removing all damaged barrier so that only well bonded barrier remains. *TERM UVR Barrier* or an additional application of *TERM Sealant Barrier* can be used to seal any gaps. Care should be taken to obtain good adhesion between barrier used for repairs and originally applied barrier.

Material Storage: Barrier and accessories should be unloaded and stored carefully. Cartons and containers must be protected from weather, sparks, flames, excessive heat, cold and lack of ventilation. DO NOT stack barrier material higher than 5' (1.5m) vertically, nor double stack pallets. Cartons should be stored on pallets and covered to prevent water damage. For best results, barrier should be stored 50-75°F prior to application.

LIMITATIONS

Polyguard's TERM Barrier has been extensively tested, both in the laboratory and in long term field trials at multiple sites, against *Reticulitermes flavipes* and *Coptotermes formosanus* subterranean termites, which can be said to be the most voracious insects in the United States measured in terms of property damage.

There are a number of other termite species, not known to be present in the United States, which are equally or more voracious than the U.S. species which were tested. A limited amount of testing outside of the United States has been done or is in progress. Contact Polyguard for up to date information about non-domestic testing.

The information in this data sheet is designed to be helpful to the reader. It is based on experience and information considered to be accurate and true. Readers should carefully consider and verify the information with investigation of any areas with uncertainty. *Polyguard* does not warrant the results to be obtained. Additionally, please read everything here in conjunction with *Polyguard's* conditions of sale, which are applicable to everything supplied by us. No statement here is intended for any use which would infringe any patent or copyright.

Purchaser is responsible for complying with all applicable federal, state, or local laws and regulations covering use of the product including waste disposal.

Contact *Polyguard Products, Inc.* for further information.