

TERM[®] Water|Termite|Sealant Barrier



International Code Council
Termite Barrier System
Report ESR-3632
[Link to ICC ESR-3632](#)

Product Data Sheet

EPA Establishment No. 89537-TX-1

DESCRIPTION

TERM Water|Termite|Sealant Barrier is a sealant barrier, applied with caulking gun or smoothing tool, and used for both waterproofing and termite / insect exclusion. It is a termite shield which is neither metal nor chemical.

TERM Water|Termite|Sealant Barrier is a non-structural barrier. When properly constructed as part of the building envelope, shields against both termites and water. Documentation of TERM development can be found at [Link - TERM Development](#).

1. To seal slab penetrations against termite entry:



Pest management professionals know that slab penetrations are a major termite entry point. The space between the penetration and the concrete poured around it may look small, but subterranean termites can get through an opening of 0.020". Moreover, the sleeves installed on penetrations, which protect against corrosive effects of concrete, can also function as an entry tunnel for subterranean termites.

For a video showing application to an above slab penetration, go to [Link — Application Video](#)

2. As a termite shield accessory to seal seams, gaps, and penetrations.

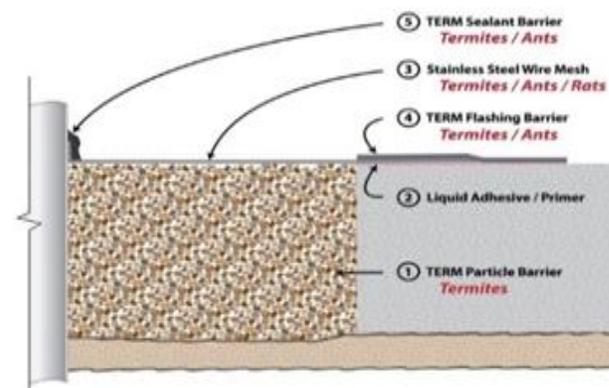
Metal termite shields have been used in termite control for many years. Termite shields physically block subterranean termites trying to enter the structure from underneath. Metal termite shields



don't completely stop termites – termites can't go through the metal, but they can build their "mud tubes" around the shield. However, when they do this, the mud tube built by the termites becomes visible to pest management professionals, and can be treated.

Subterranean termites can get through a 1/50th inch gap. They can penetrate metal termite shields at rebar penetrations, or at seams. This is where TERM Water Termite|Sealant Barrier is needed. By sealing seams, penetrations, and other gaps, TERM Water|Termite|Sealant Barrier blocks the termite's hidden shortcut. Now the termites must build their mud tubes outwards. With the mud tube visible, the termite shield functions as intended.

3. 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:



4. To detail small gaps and tears found during inspection or construction on horizontal or vertical portions of the TERM building envelope pest barrier system.



ADVANTAGES

TERM Water|Termite|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 termites and other pests. Because almost all pests are excluded for the life of the structure, need for pesticide treatment should be significantly reduced over the life of the structure.

TERM® vs TERMITES SHIELDS

TERM Barriers and termite shields are similar, in that both physically block termites. But TERM is different from termite shields - in that TERM blocks almost every entry point that a subterranean termite could find.

Plus, TERM waterproofs buildings.

DESCRIPTION OF COMPONENTS

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

REFERENCES

LEED

Click here to [view LEEDv4documentation.](#)

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 or primers) 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 on our website [Link to SDS's.](#) Call Polyguard at 214-515-5000 if you have any questions. Health Product Declaration information is also available [Link to HPD Info.](#)

Prohibit flames, sparks, welding and smoking during application. Refer to product label for handling, usage, 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](#)

Preparatory Work

Apply TERM Barrier only in fair weather, when temperatures are above 30°F (-1°C) and rising.

Application of TERM Barrier

Inspection and Repairs

Visually inspect TERM Water|Termite|Sealant Barrier for gaps where water or insects could gain entry. Make repairs by removing all damaged barrier so that only well bonded barrier remains. TERM Underseal Fabric Tape or an additional application of TERM Water|Termite|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.

Ultraviolet Protection: TERM Water|Termite|Sealant Barrier can be adversely affected by ultraviolet light. TERM Water|Termite|Sealant Barrier should be covered as soon as possible and not left exposed to sunlight for over 30 days.

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 barrier.

PHYSICAL PROPERTIES

<i>TERM Water Termite Sealant Barrier</i>			
Property	Test method	Results - English	Results - Metric
Color		Black	Black
Long Term Testing against Termite Penetration	ICC AC 380 Acceptance Criteria for Termite Physical Barriers	ICC ESR compliance ICC ESR-3632	ICC ESR compliance ICC ESR-3632
Elongation of Barrier Sealant – Percent Stretch Before Failure	ASTM D 412	1000%	1000%
Permeance to Moisture and Water Vapor	ASTM E 96-B Grains/ft ² /hr/in HGF (grains/hr/m ²)	0.035	0.023
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
Pesticide Repellency (Chlorodane, fipronil, permethrin)	ASTM F 2130	0%	0%

PACKAGING

<i>TERM Water Termite Sealant Barrier</i>				
Product	Unit of Measure	Approximate Coverage	Weight / Unit	Pallet
<i>Polyguard TERM Water Termite Sealant Barrier</i>	5 Gal Pail or 4- Gal Pail	180 LF / gallon of ¼" bead (1/2" face)	50 lb. 37 lb	36 Pails 54 Cartons
<i>Polyguard TERM Water Termite Sealant Barrier</i>	10 oz. tubes (12 / carton)	15 LF / tube of ¼" bead (1/2" face)	10 lb / ctn	NA

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.