TERM Termite Sealant

International Code Council
TERM© Barrier System
Report ESR-3632
Link to ICC ESR-3632

Product Data Sheet

EPA Establishment No. 89537-TX-1

DESCRIPTION

TERM Termite Sealant is a sealant barrier, applied with caulking gun or smoothing tool, and used for both waterproofing, termite and insect exclusion, and termite shield detailing.

TERM Termite Sealant excludes both termites and water. Documentation of TERM Barrier development can be found at Link - TERM Development.

1. To seal slab penetrations against termite entry:

Sealing penetrations at an Austin bank

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 larger than 0.020". Moreover, sleeves installed on penetrations, which protect against corrosive effects of concrete, are also tunnels for subterranean termites.

For a video showing application to an above slab penetration, go to Link — Application Video

2. As a termite shield 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 penetrate the metal, but they can build their *"mud tubes"* around the shield

Termite shield sealed with TERM Sealant - New Orleans home

However, mud tubes built by the termites are usually visible to pest management professionals and can be treated.

As can be seen in the photo below, subterranean termites can get through a tiny gap. They can get through metal termite shields through gaps at rebar penetrations, at seams, or underneath the shield. This is where *TERM Termite Sealant* is needed. By sealing seams, penetrations, and between the shield and concrete, *TERM Termite Sealant* blocks the termites hidden shortcut. Now the termites must build exposed mud tubes.

A termite covered hand

3. 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 Termite Sealant is a component of the non-structural *TERM Barrier System* which, 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 over the life of the structure.

DESCRIPTION OF COMPONENTS

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

REFERENCES

LEED: Click here to view LEEDv4documentation.

INSTALLATION

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 video at above grade plumbing penetrations (02282) Click Here

Underslab Waterproofing with Insect Barrier (071326) Click Here

Preparatory Work

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

Application of TERM Termite Sealant

Inspection and Repairs

Visually inspect *TERM Termite Sealant* 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 Termite Sealant* 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 Termite Sealant* can be adversely affected by ultraviolet light. *TERM Termite Sealant* 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

TERM Termite Sealant			
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/ft2/hr/in HGF (grains/hr/m2)	0.035	*0.023*
Water Absorption	ASTM D 570	0.1%	*0.1%*
Low Temperature Flexibility	ASTM D 146 180º bend over 1" mandrel at -25ºF(-32ºC)	No cracking or delamination	*No cracking or delamination*
Pesticide Repellency (Chlorodane, fipronil, permethrin)	ASTM F 2130 - % penetration	0%	*0%*
VOC content	Calculation based on formula	247 g/l	*247 g/l*

PACKAGING

TERM Termite Sealant				
Product	**Unit of Measure**	**Approximate Coverage**	**Weight / Unit**	**Pallet**
Polyguard TERM Termite Sealant	5-Gal Pail *or* 4- Gal Pail	180 LF / gallon of ¼" bead (1/2" face)	50 lb. 37 lb	36 Pails 54 Cartons
Polyguard TERM Termite Sealant	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 termite 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 many 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.