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TERM WATERPROOFING | TERMITE BARRIER

U. S. Patent No. 7,488,523 and 7,686,903

EPA Establishment No. 89537-TX-1

PRODUCT DATA SHEET

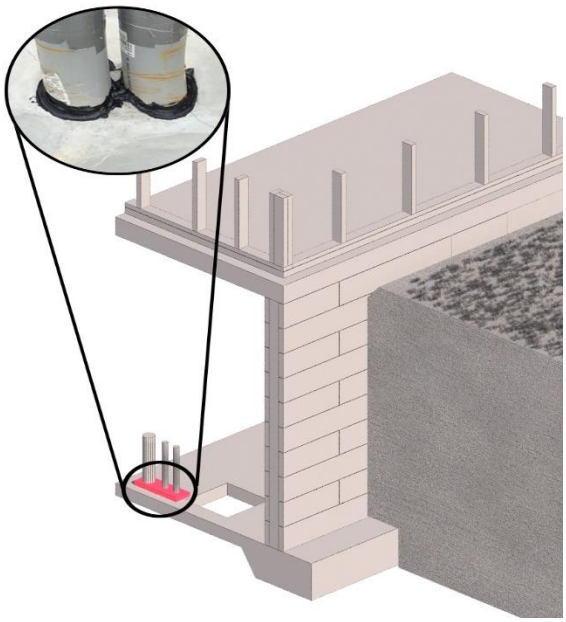
Termite Sealant Barrier

ICC ES

international Code Council
Termite Barrier System
Report ESR-3632
Link to ICC ESR-3632

POINT OF PROTECTION

Protects penetrations against termite and water entry



DESCRIPTION

TERM Termite Sealant is a sealant barrier, applied with caulking gun or smoothing tool, used for waterproofing, termite and insect exclusion, and termite shield detailing. It is used for protection of slab penetrations as well as detailing.

Documentation of TERM Barrier development can be found at polyguardproducts.com/term/science-based/

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.

TERM Foundation Barrier is the only waterproofing barrier evaluated by the ICC *(International Code Council)* against ICC AC 380 *Acceptance Criteria for Termite Physical Barrier Systems.* The AC 380 standard requires five years of testing at four field sites, with two major species vs. controls.

DESCRIPTION OF COMPONENTS

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

Polyguard Spray Adhesive is an instant drying, high tack adhesive used to prepare surfaces for installation of *TERM Termite Sealant.*

REFERENCES

LEED: Here is a link to LEED v4 Documentation: view LEEDv4documentation.

MAINTENANCE

No maintenance should be required unless the product has been damaged by construction or by some other activity.

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:
https://www.polyguardproducts.com/term/wp-content/uploads/2021/10/Term-Membranes-5-4-2020.pdf

HPD info:

https://www.polyguardproducts.com/term/term-hpd/

Call *Polyguard* at 214-515-5000 if you have questions.

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.*

INSTALLATION – SLAB PENETRATIONS

TERM Non-Chemical Termite Barrier – Sealing Slab Penetrations - Termite Sealant - Polyguard - YouTube

Preparatory Work

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

Application

See the above video for instructions.

1. Remove any portion of plastic sleeve which is above slab level.
2. Prep surface: Roughen surfaces with sandpaper or a wire brush. Sweep all dirt and dust away.
3. Prime surfaces: Prime 2" onto the concrete and 2" up the pipe using Polyguard Spray Adhesive.
4. Apply TERM Termite Sealant all around the penetration. Use enough to create a minimum ¾" face after tooling.
5. Tool sealant.

TERMITE SHIELD APPLICATION

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 build *"mud tubes"* around the shield.

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

Since the 1/50" wide subterranean termites can get through tiny openings, they can get through metal termite shields via 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.

STORAGE

Sealant 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. Cartons should be covered to prevent water damage. For best results, store at 50-75°F prior to application.

HEALTH AND SAFETY

All Polyguard Products Safety Data Sheets (SDS) and precautionary labels should be read and understood by all user supervisory personnel and employees before using. Purchaser is responsible for complying with all applicable federal, state or local laws and regulations covering use, health, safety, and disposal of the product.

TECHNICAL SERVICES & SALES

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COVERAGE INFORMATION

PRODUCT	APPLICATION	APPROXIMATE COVERAGE – 1 GALLON	APPROXIMATE COVERAGE – 1 QUART
Sealing slab penetrations with ¾" face	½" diameter penetration	600	150
	2" diameter penetration	172	43
Sealing TERM membrane terminations with ½" face bead	LF covered	208	52

PACKAGING INFORMATION

PRODUCT	UNIT OF MEASURE	WEIGHT/UNIT	PALLET
TERM Termite Sealant - quart	Carton – 4 Quarts	9 lb.	NA
TERM Termite Sealant – gallon	Carton 4 1gal. cans	37 lb.	54 Cartons
Polyguard Spray Adhesive (14 oz can)	Carton (12 cans)	11 lb.	NA

PHYSICAL PROPERTIES

PROPERTY	ASTM 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 146 180° bend over 1" mandrel at -25°F(-32°C)	No cracking or delamination	*No cracking or delamination*
VOC content	Calculation based on formula	247 g/l	*247 g/l*

* Please refer to testing at this web address: www.polyguardproducts.com/term/techref.htm

LIMITATIONS

***TERM Termite Sealant* is just one piece of an extensive termite barrier system**

When properly installed, TERM Barrier products will physically block termites from entering the structure at the protected area but will not block termites from entering at other points on the structure. Installing more TERM components blocks more termite entry points, but does not guarantee protection in areas the TERM products are not applied

https://www.polyguardproducts.com/term/exclusion-101/how-pests-enter-structures/

If you study the termite web link above, you will see some of the many places on a structure where termites can enter.

Polyguard's TERM Division has developed products and applications to exclude termites at most entry points, but not all. We are developing barriers for additional entry points. Each correctly installed TERM barrier component adds to the probability that the structure will have less termite problems and require less chemical treatment.

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. Polyguard's TERM Barrier System products are part of an Integrated Pest Management (IPM) program and where local regulations require, may be used to supplement termiticide applications.

There are numerous 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. Limited 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.

SEALING CRACKS OR JOINTS ON HORIZONTAL SURFACES

If you are using TERM Sealant Barrier to seal cracks or joints on horizontal decks, there are several limitations you should be aware of:

1. Sealing joints or cracks on an existing structure:
   In order for *TERM Sealant Barrier* to seal, and maintain a seal, it is critical that the inside of the joint be completely clear of dust and dirt. For existing structures this is especially difficult, because enough dirt and debris have collected and can prevent a strong bond of the sealant to the walls of the joint or crack. Note that *Polyguard's Spray Adhesive* and *Polyguard Water-Base primers* will not absorb enough dust to create strong bonds.

   Polyguard 650 LT Liquid Adhesive will be more forgiving of marginal conditions, because it can absorb some dust and soak into pores of the concrete. However, *Polyguard 650 LT Liquid Adhesive* is a solvent-based product, which means that there are serious safety concerns. *Polyguard 650 LT Liquid Adhesive* should not be used indoors, or outdoors in areas which are not well ventilated. Please view the Safety Data Sheet for *Polyguard 650 LT Liquid Adhesive* for more information:

   https://polyguardproducts.com/architectural/download/650-lt-liquid-adhesive-product-resources/?wpdmdl=752&refresh=624cc60e8df651649198606&ind=153563031203 5&filename=PGArch-SDS-650LT_LiquidAdhesive-07272017.pd.

2. The second limitation of TERM Sealant Barrier is practical rather than safety related. You should note that TERM Sealant Barrier may take several days to cure sufficiently to allow foot traffic.