

TERM™ All Pest Bath Trap Barrier

U.S. patent 9,468,205

DESCRIPTION

Polyguard's *TERM All Pest Bath Trap Barrier*, installed after the concrete slab is poured and rough plumbing is complete, is a non-chemical barrier to termites and all other pests,

TERM All Pest Bath Trap Barrier blocks termites, fire ants, rats, mice, snakes, and moles from entry through bath traps (blockouts) in a slab.

ADVANTAGES

Bath traps have traditionally been an open gate for a variety of pests. The *TERM All Pest Bath Trap Barrier* is a combination barrier which blocks entry of any pest through this opening.

Although the *TERM All Pest Bath Trap Barrier* blocks pests, the porous nature of its components allows water to drain into the base below.

Under normal circumstances, application of pesticides to the bath trap area should be unnecessary during the life of the structure, and no maintenance should be required.

A finished TERM All Pest Bath Trap



DESCRIPTION OF COMPONENTS AND INSTALLATION

This set of instructions includes, in steps 1 and 2, installation of TERM Particle Barrier. These steps are optional, because the All Pest Bath Trap can by itself exclude termites if properly installed. Installing TERM Particle Barrier along with the All Pest Barrier is therefore a "belt and suspenders" termite barrier.



Step 1: Once rough plumbing is complete the cavity and its walls are cleaned out,



Step 2: *TERM Particle Barrier* is installed in the bath trap cavity to a 4" depth.

Particle barriers, of quartz or other hard mineral aggregates, are sized within exacting ranges to create a blend of particles which are too large for termites to move away, and too small for termites to crawl between.

Testing of particle barriers has been done by Texas A&M, the University of Hawaii, CSIRO (Australia's National Research Laboratory, and other major universities.

Step 3: Cut a piece of *TERM Micromesh 02* large enough to cover the bath trap opening with a 2" border all around the cavity.

Step 4: Cut an opening in the *TERM Micromesh 02* for the penetration. This is done by positioning the wire mesh section over the cavity and the penetration at a point where the 2" border will be maintained all around the cavity. Then use a rubber mallet to create an impression of the top of the penetration in the wire mesh. Now cut a hole in the wire mesh just wide enough for the wire mesh to fit snugly over the penetration.



Step 5: Install a 3/4" bead of *TERM Sealant Barrier* covering the edge of the border where the wire mesh section will be.



Step 6: Set the wire mesh section over the penetration and onto the slab, making certain that a complete seal exists all around the border.



Step 7: With the wire mesh section in place over the first layer of sealant, place a second 3/4" bead of sealant on top of the edge of the wire mesh making sure that the sharp edges of the wire mesh are covered with sealant

Also, seal the entire circumference of the penetration where it comes through the wire mesh.

INSTALLATION VIDEO LINK

[TERM® Non-Chemical Termite Barrier – All Pest Bath Trap Barrier - Polyguard - Bing video](#)

SAFETY

All *Polyguard* products must be handled in a safe manner. *TERM Sealant Barrier* when furnished in a caulking tube, contains solvent, and deserves special attention to safety since it is flammable and harmful if inhaled. Read both the product label and the Material Safety Data Sheet (MSDS) before use. MSDS 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. In confined areas, use adequate forced ventilation, fresh air masks, explosion-proof equipment and clean clothing.

LEED 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 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.
3. Incorporation of TERM Sealant Barrier / membranes into the building envelope should be a candidate for Innovation credit.

Physical Properties			
Property	Method	English	Metric
TERM 02 MicroMesh Barrier			
Metal – type and grade	-	Stainless steel – Marine grade 316	Stainless steel – Marine grade 316
Aperture size of mesh opening	ASTM E 11 (maximum)	0.018"	0.46mm
TERM Sealant Barrier			
Long Term Testing against Termite Penetration	Texas A&M 4 Sites over 5 years vs controls	100% effective	100% effective
Elongation of Barrier Sealant – Percent Stretch Before Failure	ASTM D 412	>500%	>500%

For bath trap opening size of	One Micromesh roll yields this many bath traps		
	MICROMESH 4X2 4' x 2'	MICROMESH 4X10 4' x 10'	MICROMESH 4X100 4' x 100'
12" x 12"	3	21	210
16" x 16"	2	12	120
20" x 20"	2	5	100

ADDITIONAL INSTRUCTIONS:

Coverage rate of sealant tube is approximately 15 LF per tube with a 1/4" wide bead. Dispose of content and container in accordance with all local, regional, state, and federal regulations.

This product will only block termites and pests in areas where it has been properly installed in accordance with the above instructions.

NOT A STANDALONE TREATMENT:

This product is not a standalone treatment for termites, During construction, it should be considered as a supplemental treatment to any termite pretreatment required by code.

LIMITATIONS

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.

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