

PRODUCT DATA SHEET

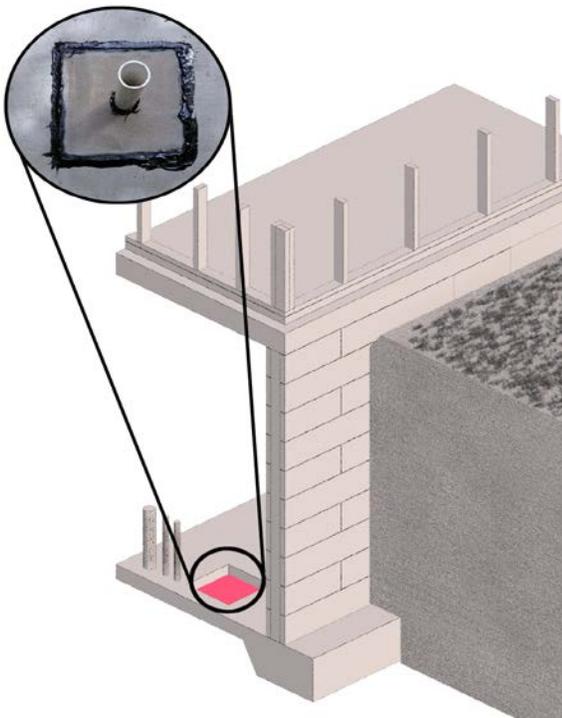
All Pest Bath Trap Barrier

U.S. patent 9,468,205



POINT OF PROTECTION

Protects bath traps/mop sinks against entry by all pests



DESCRIPTION

Building in a bath trap with *TERM Particle Barrier* will block termites from entry, but our tests show that the particles do not exclude other pests.

This discovery led to development of *TERM All Pest Bath Trap Barrier*.

By combining a stainless-steel screen with apertures of 0.02", sealed with *TERM Termite Sealant*, we created a barrier which blocks termites and any other pests (such as fire ants, rats, mice, snakes, and moles).

If you install *TERM All Pest Bath Trap Barrier*, you can combine it with *TERM Particle Barrier*, which will provide "belt and suspenders" protection against termites.

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.

LEED REFERENCES

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

- I. 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.

SAFETY

All Polyguard products must be handled in a safe manner. TERM Sealant Barrier when furnished in a caulking tube or can, 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.

INSTALLATION

Steps 1 and 2 show installation of TERM Particle Barrier. These steps are optional, because the All-Pest Bath Trap can by itself exclude termites if properly installed. Steps 3 – 7 cover installation of TERM All Pest Bath Trap Barrier.

Step 1: Once rough plumbing is complete the cavity and its walls are cleaned out. Be sure that the cavity walls are completely free of mud and dirt, as this can provide a way for termites to climb the wall without detection and avoid contact with the particles.



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Particle barriers, of quartz or other hard mineral aggregates, are sized within exacting ranges to create a blend with stones 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. All confirmed the need of carefully screened particles with the smallest being mesh 16.

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



Step 3: Cut a piece of TERM Micromesh 02 large enough to cover the bath trap opening plus a 2” border all around the cavity. Gloves are recommended as edges are sharp.



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 or hand pressure 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

<https://www.youtube.com/watch?v=gg5D1hVY7uc>

PHYSICAL PROPERTIES

Properties of TERM Micromesh 02 Barrier			
Property	Method	English	Metric
Metal – type and grade	NA	Stainless steel – Marine grade 316	Stainless steel – Marine grade 316
Aperture size of mesh opening	ASTM E 11 (maximum)	0.018”	0.46mm
Properties of TERM Termite Sealant Barrier			
Property	Method	English	Metric
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%

PACKAGING INFORMATION

Product	Unit of measure	Approximate Coverage	Lbs./Unit
TERM Termite Sealant Barrier – Gallon - Quart	Carton Carton	60 LF 15 LF	36 lb. 9 lb.
TERM Micromesh 02 – 2’ x 4’ - 48” x 100	Roll Roll	8 ft2 400 ft2	1 lb. 40 lb.

LIMITATIONS

TERM All Pest Bath Trap Barrier 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 provide protection in areas the TERM Barriers are not applied

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

If you look at 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 of them. We have in development barriers for additional entry points. Each correctly installed TERM barrier component adds to the probability that the structure will have less termite problems and will require less chemical treatment to treat termite infestations.

Polyguard’s TERM Barriers have 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.

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.

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