

## TERM® All Pest Bath Trap Barrier Kit

Termite Barrier

### MANUFACTURER

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### PRODUCT DESCRIPTION

#### Basic Uses

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 result led to the development of TERM® All Pest Bath Trap Barrier Kit.

Combining a stainless-steel screen with apertures of 0.02", adhered with TERM® Termite Sealant, we created a barrier which blocks termites and any other pests.

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.

### PRODUCT FEATURES

- The TERM® All Pest Bath Trap Barrier is a combination barrier which blocks entry of any pest through the bath trap opening.
- Porous nature of its components allows water to drain into the base below.
- Application of pesticides to the bath trap area should be unnecessary during the life of the structure.
- Blocks a variety of pests including termites, fire ants, rats, mice, snakes, moles, cockroaches and others.

### ALL PEST BATH TRAP KIT MATERIALS

- TERM® Particle Barrier consists of sub angular or angular quartz particulates with mesh sizes between 8 and 16. These sizes are shown to block both the Formosan and the native American species.
- TERM® Micromesh is a perfect solution to areas that need drainage and air flow, but also need to keep subterranean termites and all other insects and pests out. This marine-grade 316 Stainless Steel Mesh is flexible and easily cut with standard scissors. Embed the mesh into TERM® Termite Sealant for an exclusion against top of concrete leave-outs/bath traps and other areas in need of pest exclusion.
- TERM® Termite Sealant is a waterproofing sealant plus a termite barrier. It is formulated from polymer asphalt which has been upgraded to incorporate a non-chemical termite and insect barrier and is used to seal slab penetrations (a common termite entry point). It also seals overlaps, gaps, and penetrations where TERM® membrane barriers are installed.

### REFERENCES

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

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 "Non-chemical pest preventative measures.....designed into the structure...". TERM Barriers are non-chemical pest preventative measures.

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.

TERM Sealant Barrier / membranes are not mentioned, as they are only now entering the field for sustainable construction alternatives.

The incorporation of TERM Sealant Barrier / membranes into the building envelope should be a strong candidate for Innovation credit.

Finally, if the project site is former agriculture land with residual pesticide contamination, TERM Barriers may qualify under LEED IAQ Credit 5 - Indoor Chemical and Pollutant Source Control (below grade toxin barrier) or SS3 - Brownfield redevelopment.

### TECHNICAL DATA

See physical properties table.

### 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 being blocked by particles. Clean cavity including walls to prevent termite access.

Particle barriers, of quartz or other hard mineral aggregates, are sized within a grit size range of 8 – 16, which is the range determined to be effective by multiple university studies. This creates a blend with stones too large for termites to move away, and too small for termites to crawl between as they will get cut.

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 in the 8-16 range.

**Step 2:** TERM® Particle Barrier is installed in the clean bath trap cavity to a 4-inch depth.

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

**Step 4:** Cut an opening in the TERM® Micromesh for the penetration. This is done by positioning the wire mesh section over the cavity and the penetration at a point where the 2-inch 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® Termite Sealant 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 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.

Link to installation video: [TERM® Non-Chemical Termite Barrier – All Pest Bath Trap Kit - Polyguard - YouTube](#)

**LIMITATIONS**

When properly installed, TERM® Barrier System 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.

Polyguard's TERM® Barrier System 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 numerous other termite species worldwide, 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.

Purchaser is responsible for complying with all applicable federal, state, or local laws and regulations covering use of the product, including waste disposal.

**STORAGE**

All Polyguard products must be handled in a safe manner. TERM® Particle Barrier itself, as a quartz stone product, does not contain any chemicals. However, if installing TERM All Pest Bath Trap Barrier, safety considerations include cutting hazard from the edges of stainless-steel mesh, as well as vapors from TERM® Termite Sealant which contains solvents. These deserve special attention to safety since vapors are both flammable and harmful if inhaled. Read both the product label and the Safety Data Sheet (SDS) before use.

**SAFETY**

SDS documents for all Polyguard products can be obtained at our website [www.polyguard.com](http://www.polyguard.com). Call Polyguard Products, Inc. at (214) 515-5000 with questions.

**WARRANTY**

We, the manufacturer, warrant only that this product is free of defects, since many factors which affect the results obtained from this product are beyond our control; such as weather, workmanship, equipment utilized and prior condition of the substrate. We will replace at no charge product proved to be defective within twelve (12) months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided.

**TECHNICAL SERVICES**

Technical assistance, information and Polyguard's products are available through a nationwide network of distributors and architectural representatives, or contact Polyguard Products, Inc. P.O. Box 755, Ennis, TX 75120-0755 Sales: (615) 217-6061•Tech Support: (214) 515-5000 Email: [archtech@polyguard.com](mailto:archtech@polyguard.com) Website: [www.polyguard.com](http://www.polyguard.com)

PROPERTY: TERM PARTICLE BARRIER	TEST METHOD	TYPICAL VALUE
FINENESS MODULUS	-	3.83
MINIMUM % RETAINED OF SIEVE SIZE 8 - 14	ASTM D451	90%
% OF VOID SPACE (calculated using water displacement)	-	1.72%
HARDNESS	Mohs Hardness Scale	> 6
ANGULARITY	Grading	Angular or Subangular

PROPERTY: TERM MICRO-MESH	TEST METHOD	TYPICAL VALUE
METAL – TYPE AND GRADE	-	Stainless steel - Marine grade 316
APERTURE SIZE OF MESH OPENING	ASTM E 11 (maximum)	0.018"

PROPERTY: TERM SEALANT BARRIER	TEST METHOD	TYPICAL VALUE
LONG TERM TESTING AGAINST TERMITE PENETRATION	ICC AC 380 Acceptance Criteria for Termite Physical Barriers	ICC AC 380 Compliance <a href="#">ICC ESR-3632</a>
BARRIER SEALANT ELONGATION - % STRETCH BEFORE FAILURE	ASTM D 412	> 500%

PACKAGING	PART NUMBER	UNIT SIZE
<b>TERM ALL PEST BATH TRAP KIT Products:</b>		
TERM PARTICLE BARRIER	TERMPART50	50 lb Bag
TERM MICRO-MESH	TERMMCROMESH02 2X4	0.018" Aperture 2' x 4'
TERM TERMITE SEALANT - Quart	TERMSEAL Q	4 – 1 qt/ctn
TERM TERMITE SEALANT - Gallon	TERMSEAL GALLON	4 – 1 gal/ctn

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