

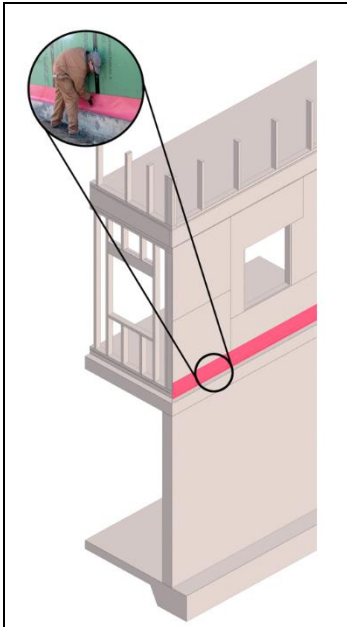
## TERM® Flashing|Termite Barrier



International Code Council  
Termite Barrier System  
Report ESR-3632  
[Link to ICC ESR-3632](#)

### Product Data Sheet

EPA Establishment No. 89537-TX-1



**Protects the sheathing interface from termite entry**

entry point for termites which have come up on the outside of the foundation wall.

*TERM Flashing|Termite Barrier UV* also available with 12 months UV resistance

#### ADVANTAGES

*TERM Flashing|Termite Barrier* is a non-structural pest barrier which, when properly constructed as part of the building envelope, acts as a barrier to all insects.

*TERM Flashing|Termite Barrier* is unique because it is backed by 19 years of testing by entomology scientists against termites and other pests. From 2000 to 2012, testing and field trials were performed at Texas A&M. After 2012, lab and field tests at UGA, UF, LSU, and the City of New Orleans termite lab.

#### DESCRIPTION OF COMPONENTS

*TERM Flashing|Termite Barrier* is a strong, pliable, self-adhesive sheet consisting of a 4-mil high density polyethylene film bonded to 36 mils of sealant. *TERM Flashing|Termite Barrier* is formulated for low temperature application down to 30°F (-1°C).

For flashing application, available roll widths are 12" (.3m), and 18" (.45m). For seam and window application roll widths are, 6" (0.15 m), and 9" (0.22 m). Rolls of 36" (0.9m) and 48" (1.2m) are also available. All rolls are 75' (22.9 m) long.

*TERM Flashing|Termite Barrier* is wound on a disposable treated release sheet.

*Polyguard 650 WB Water-Base Liquid Adhesive* is available where VOC concerns or limitations apply

*Polyguard 650 LT Liquid Adhesive* is a fast drying, high tack rubber-based adhesive used on horizontal and vertical surfaces at temperatures above 30°F (-1°C).

*Polyguard 650 Mastic* is asphalt mastic with a low solvent content. It is used to waterproof exposed edges of *TERM Barrier* products.

*Polyguard Detail sealant* is a solvent free, non-isocyanate adhesive sealant which is low VOC /HAPS free and formulated to be compatible with the *Polyguard TERM* barrier sealant.

#### REFERENCES

**LEED:** Click here to view [LEED v4 Documentation](#).

#### INSTALLATION

##### Safety

All *Polyguard* products must be handled in a safe manner. Some products (some mastics or primers) contain solvents. 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



*TERM Flashing|Termite Barrier installed on an Oklahoma hospital*

#### DESCRIPTION

*TERM Flashing|Termite Barrier* is a "peel and stick" barrier membrane used where waterproofing, energy sealing, and termite|insect exclusion are needed.

*TERM Flashing|Termite Barrier* is applied where the horizontal concrete slab intersects with exterior sheathing. This area is a frequent

questions. Health Product Declaration information is also available [Link to HPD Info.](#)

The *650 LT Liquid Adhesive* is an industrial coating and would be harmful or fatal if swallowed. It is marked as red label because of low flash point.

Prohibit flames, sparks, welding and smoking during application. Refer to product label for handling, using 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.*

**Preparatory Work**

Apply *TERM Barrier* only in fair weather when temperatures are above 30°F (-1°C) and rising. If weather is cold and/or damp, making initial adhesion marginal, application of *650 LT Liquid Adhesive* or *Shur-Tac Water-Base Liquid Adhesive* will assist the initial adhesion.

**Application of Flashing Barrier:**

Remove sharp protrusions such as concrete, mortar, or plaster.

Make sure the surface is clean, dust free, smooth, and dry. Adhesive surface of the tape should not be in contact with any caulks or sealants containing plasticizers or solvents. This includes most silicone or polyurethane sealants.

Apply liquid adhesive to all surfaces which will receive *TERM Flashing Moisture/Termite Barrier* at 250 – 300 ft<sup>2</sup>/gallon.

Cut pieces of flashing to length as needed and apply to substrate 30-60 minutes after liquid adhesive has been applied.

The flashing should be placed with its horizontal portion extending no closer than ½” from the edge of the horizontal ledge.

Remove only the first 6-12 inches of release liner and adhere the exposed adhesive face to the substrate. This will assist you with correct positioning of the flashing. Where one piece of flashing is being placed next to another, overlap the flashing 2” minimum.

If two pieces overlap vertically be sure to shingle them, with the lower piece or the piece closest to the exterior overlapped by the other. Extend flashing past the *TERM Sill Barrier* edge to ensure tie-in.

Roll flashing firmly into place with a hand roller.

Use *650 Mastic* or *Detail Sealant* to seal all top horizontal terminating edges on walls, pipes, and other protrusions.

**PACKAGING INFORMATION**

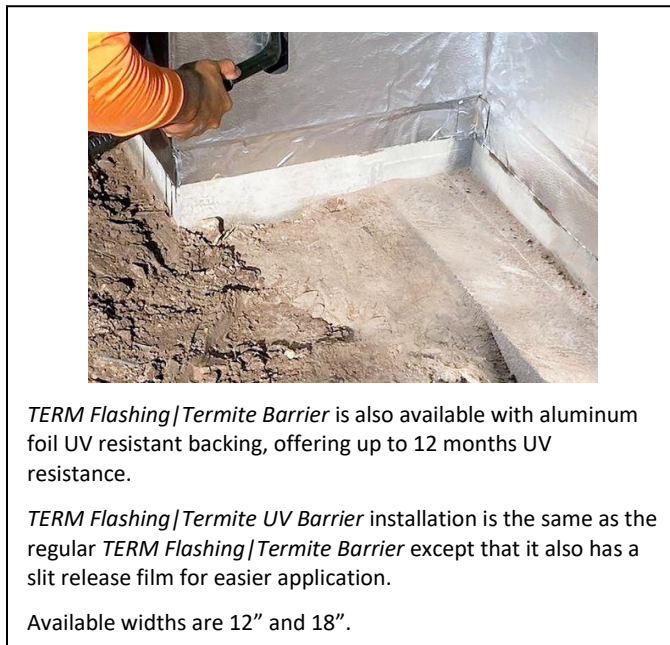
Packaging Information - TERM Flashing Termite Barrier				
Product	Unit of Measure	Approximate Coverage	Weight / Unit	Palletization
6" x 75' – 6 rolls (450 lf) 9" x 75' - 4 rolls (300 lf) 18" x 75' – 2 rolls (150 lf) 12" x 75' – 3 rolls (225 lf) 36" x 75' – 1 roll (75 lf)	Carton	225 ft <sup>2</sup>	57 lb.	36 cartons
Polyguard 650 WB Water Base Liquid Adhesive	5-Gal Pail or 4-1-Gal Pail	250 – 350 ft <sup>2</sup> /gallon	50 lb. 37 lb.	36 Pails 54 Cartons
Polyguard 650 LT Liquid Adhesive	5-Gal Pail or 4-1-Gal Pail	250 – 350 ft <sup>2</sup> /gallon	45 lb. 31 lb.	36 Pails 54 Cartons
Polyguard Detail Sealant	Carton with 12 30 oz. tubes	1/8" bead – 293 lf/tube ¼" bead – 73 lf/tube 3/8" bead – 30 lf/tube	32 lb.	25 Cartons
Polyguard 650 Mastic	5-Gal Pail or Ctn. with 12 30 oz. tubes	½" bead 65 LF/tube 1" bead 100 LF/gallon	48 lb./Pail	36 Pails 25 Cartons

**Ultraviolet Protection:**

*TERM Flashing|Termite Barrier* can be adversely affected by ultraviolet light. It should be covered as soon as possible and not left exposed to sunlight for over 30 days.

**Inspection and Repairs**

Visually inspect *TERM Flashing|Termite Barrier* for tears, punctures, pinholes, air blisters and "fish mouths" where water or insects could



*TERM Flashing|Termite Barrier* is also available with aluminum foil UV resistant backing, offering up to 12 months UV resistance.

*TERM Flashing|Termite UV Barrier* installation is the same as the regular *TERM Flashing|Termite Barrier* except that it also has a slit release film for easier application.

Available widths are 12” and 18”.

gain entry. Make repairs by removing all damaged barrier so that only well bonded barrier remains. Care should be taken to obtain good adhesion between barrier used for repairs and originally applied barrier.

**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.

## PHYSICAL PROPERTIES

Typical Properties of TERM Flashing Termite Barrier			
Property	Test Method	English	Metric
Color	--	Red / white logo	Red / white logo
Barrier Thickness	ASTM D 1000 inch (mm)	.040	1.0
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>	ICC AC 380 compliance <a href="#">ICC ESR-3632</a>
Elongation of Barrier Sealant – Percent Stretch Before Failure	ASTM D 412	> 1000%	> 1000%
Pesticide Repellency (Chlorodane, fipronil, permethrin)	ASTM F 2130	0%	0%
Permeance to Moisture and Water Vapor	ASTM E 96-B Grains/ft <sup>2</sup> /hr/in HGF (grains/hr/m <sup>2</sup> )	.035	.023
Water Absorption	ASTM D 570	0.1%	0.1%
Tensile Strength – Film Backing	ASTM D 882 PSI / (N/mm <sup>2</sup> )	5470	37.72
Tensile Strength – Barrier Composite	ASTM D 412 (Modified Die C) PSI / (N/mm <sup>2</sup> )	325	2.24
Peel Adhesion	ASTM D 903 lb./in width / (N/mm)	12.1	2.17
Overlap Bond	ASTM D 1876 lb./in width / (N/mm)	8.0	1.4
Low Temperature Flexibility	ASTM D 146 180° bend over 1" mandrel at -25°F (-32°C)	No cracking or delamination	No cracking or delamination
Barrier Puncture Resistance	ASTM E 154 (Blunt Instrument) lb / (N)	50	182
UV resistance (applies to TERM UV Flashing Termite Barrier only)	ASTM G90, Spray Cycle 1 Accelerated UV delamination rating	10	10

## LIMITATIONS

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.

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 completed or is in progress. Contact Polyguard for up-to-date information about non-domestic testing.

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.

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.

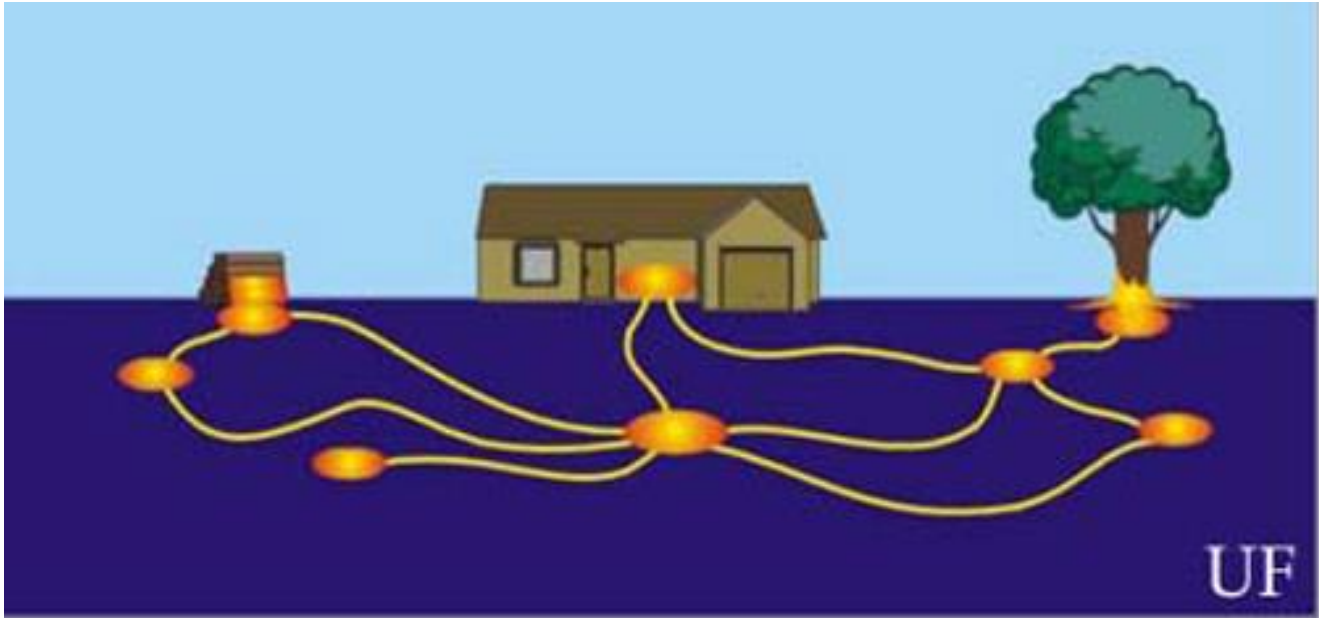
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## Limitations - a clarification

Customers may get the impression that their structure is protected from termites, even if only one or two components of the TERM Barrier System are installed on their structure. We do not want customers to be misled

On any structure, there are thousands of known locations where termites can gain entrance. TERM Barrier System components are designed to physically block subterranean termites at common entry points around a structure. As the University of Florida Entomology website (shown below) there can be millions of termites and multiple colonies surrounding a structure. Almost all of the termites are workers and are looking for a way to enter the structure, where there is food (wood), constant temperatures, and physical protection from predators.

[http://entnemdept.ufl.edu/creatures/urban/termites/formosan\\_termite.htm](http://entnemdept.ufl.edu/creatures/urban/termites/formosan_termite.htm)



If one TERM Barrier component is installed properly at a vulnerable point on the structure, it will physically block termite entry at that point, but not at other points on the structure.

Here are some components of the TERM Barrier System:

If more TERM components are installed, more termite entry points are blocked.

Common Termite Entry Points - Location on Structure	TERM Barrier Component which protects this entry point
Underside of slab	TERM Underslab Barrier
Foundation walls below grade	TERM Water Termite Barrier
Underneath sill	TERM Sill Barrier
Flashings and seams on sheathing	TERM Flashing Barrier
Exposed concrete perimeter	TERM Particle Barrier
Slab penetrations	TERM Termite Sealant
Bath traps / mop sinks	TERM Bath Trap Barrier (2)
If more TERM components are installed, more termite entry points are blocked	

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