

TERM® Flashing Moisture|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



TERM Flashing|Termite Barrier installed on a residence in Ennis, TX

DESCRIPTION

TERM Flashing Moisture|Termite Barrier is applied where the horizontal concrete slab intersects with exterior sheathing. This area is a frequent entry point for termites which have come up on the outside of the slab or foundation wall.

TERM Flashing Moisture|Termite Barrier UV also available with long-term UV resistance

ADVANTAGES

TERM Flashing Moisture|Termite Barrier is a non-structural termite barrier which, properly constructed as part of the building envelope, acts as a barrier to termites and all other insects.

TERM Flashing Moisture|Termite Barrier is unique because it is backed by 21 years of development and testing with 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, UH (Hawaii) and the City of New Orleans Termite lab.

DESCRIPTION OF COMPONENTS

TERM Flashing Moisture|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 Moisture|Termite Barrier is formulated for low temperature application down to 30°F (-1°C).

For flashing application, available roll widths are 12" (.3m), 18" (.45m), and 24" (.6m). For seam and window application roll widths are 4" (0.1 m), 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 Moisture|Termite Barrier is wound on a disposable treated release sheet.

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 WB Water-Base Liquid Adhesive is available where VOC concerns or limitations apply. Use when over 40 deg. (4°C).

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

- Polyguard Termite Sealant is applied with caulking gun or smoothing tool is used for detailing in termite exclusion and waterproofing applications.

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. Store in a dry covered area to prevent water damage. For best results, barrier should be stored 50-75°F prior to application.

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 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 solvent based 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 will assist 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 ft²/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.

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Remove only the first 6-12 inches of release liner and adhere the exposed adhesive face to the substrate. This will assist 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 *TERM Termite Sealant* or *650 Mastic* to seal all top horizontal terminating edges on walls, pipes, and other protrusions.

Ultraviolet Protection:

PHYSICAL PROPERTIES

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

Inspection and Repairs

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

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 done 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 will 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.

Typical Properties of TERM Flashing Moisture Termite Barrier			
Property	Test Method	English	Metric
Color	--	Red / white logo except UV Foil	Red / white logo except UV Foil
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 ESR compliance ICC ESR-3632	ICC ESR compliance ICC ESR-3632
Elongation of Barrier Sealant – Percent Stretch Before Failure	ASTM D 412	> 1000%	> 1000%
Pesticide Repellency (<i>Chlordane, fipronil, permethrin</i>)	ASTM F 2130	0% penetration	0% penetration
Permeance to Moisture and Water Vapor	ASTM E 96-B Grains/ft ² /hr./in HGF (grains/hr/m ²)	.035	.023

Water Absorption	ASTM D 570	0.1%	0.1%
Tensile Strength – Film Backing	ASTM D 882 PSI / (N/mm ²)	6500	44.82
Tensile Strength – Barrier Composite	ASTM D 412 (Modified Die C) PSI / (N/mm ²)	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 Flashing Moisture Termite Barrier UV only)	ASTM G90, Spray Cycle 1 Accelerated UV delamination rating	10	10

PACKAGING INFORMATION

Packaging Information - TERM Flashing Moisture Termite Barrier				
Product	Unit of Measure	Approximate Coverage	Weight / Unit	Palletization
TERM Flashing Moisture Termite Barrier 4" x 75' – 9 rolls (675 lf) 6" x 75' – 6 rolls (450 lf) 9" x 75' -- 4 rolls (300 lf) 12" x 75' – 3 rolls (225 lf) 18" x 75' – 2 rolls (150 lf) 36" x 75' – 1 rolls (75 lf)	Carton	225 ft ²	57 lb.	36 cartons
Polyguard 650 WB Water Base Liquid Adhesive	5-Gal Pail or 4-1-Gal Pail	300 – 400 ft ² /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 ² /gallon	45 lb. 31 lb.	36 Pails 54 Cartons
Polyguard Termite Sealant	Carton with 12 10 oz. tubes	$\frac{1}{2}$ " bead – 16 lf / tube	10 lb./ ctn	NA
Polyguard 650 Mastic	5-Gal Pail or Ctn. with 12 30 oz. tubes	$\frac{1}{2}$ " bead 65 LF/tube 1" bead 100 LF/gallon	48 lb./Pail	36 Pails 25 Cartons

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