

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 Moisture|Termite Barrier installed on a residence in Ennis, TX

DESCRIPTION

TERM Flashing Moisture|Termite Barrier is a “peel and stick” barrier membrane used where waterproofing, energy sealing, and insect exclusion is needed.

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 foundation wall.

ADVANTAGES

TERM Flashing Moisture|Termite Barrier is a non-structural pest barrier which, when properly constructed as part of the building envelope, acts as a barrier to Termites and other insects, Energy leaks, radioactive Radon gas, and Moisture.

TERM vs TERMITE SHIELDS

TERM Barriers and termite shields are similar, in that both physically block termites. But TERM is different from termite shields - in that TERM can be installed at almost every entry point on a structure, and everywhere that TERM is correctly installed, subterranean termites are blocked.

Plus, TERM waterproofs buildings.

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).



Standard roll widths are 12" (.3m), 16" (.4 m), and 24" (.6 m). All rolls are 75' (22.9 m) long.

TERM Flashing Moisture|Termite Barrier is wound on a disposable treated release sheet which is split along the roll so that one side can be adhered to the structure while the other side does not have the adhesive face exposed. (See photo)

TERM Flashing Moisture|Termite Barrier is the same composition as TERM Seam and Window Barrier. The only difference is in roll widths: TERM Seam and Window Barrier is available in widths between 4" and 8", and TERM Flashing Moisture|Termite Barrier is available in widths between 12" and 48".

Polyguard Shur-Tac 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, and 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 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

Note that *TERM Flashing Moisture/Termite Barrier* has a split release liner to make application easier. Normally the wide part of the flashing will be adhered to the vertical wall, and the narrow part to the horizontal ledge. Most applicators find that removing the wide part of the release liner and adhering that part of the flashing to the vertical surface is the preferred.

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

If the two pieces overlap vertically be sure to shingle them, with the lower piece or the piece closest to the exterior is overlapped by the other. Extend the flashing past the *TERM Sill Plate 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.

For masonry structures, insect blocking and draining weep holes should be installed on the base course, and insect blocking vents should be installed every four courses above the base course. See [TERM Weep and Vent](#) for details.

Ultraviolet Protection:

TERM Flashing Moisture/Termite Barrier can be adversely affected by ultraviolet light. *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 insects 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.

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 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.

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.

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 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.

PHYSICAL PROPERTIES

Typical Properties of TERM Flashing Moisture 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 ESR compliance ICC ESR-3632	ICC ESR compliance ICC ESR-3632
Elongation of Barrier Sealant – Percent Stretch Before Failure	ASTM D 412	> 1000%	> 1000%
Resistance to Radioactive Radon Gas	Radon Reduction Technology Laboratory % reduction in radon gas diffusion	97.1%	97.1%
Pesticide Repellency (<i>Chlorodane, fipronil, permethrin</i>)	ASTM F 2130	0%	0%
Permeance to Moisture and Water Vapor	ASTM E 96-B Grains/ft2/hr/in HGF (grains/hr/m2)	.035	.023
Water Absorption	ASTM D 570	0.1%	0.1%
Tensile Strength – Film Backing	ASTM D 882 PSI / (N/mm2)	6500	44.82
Tensile Strength – Barrier Composite	ASTM D 412 (Modified Die C) PSI / (N/mm2)	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

PACKAGING INFORMATION

Packaging Information - TERM Flashing Moisture Termite Barrier				
Product	Unit of Measure	Approximate Coverage	Weight / Unit	Palletization
TERM Flashing Moisture Termite Barrier 12" x 75' – 3 rolls (225 lf) 18" x 75' – 2 rolls (150 lf) 36" x 75' – 1 rolls (75 lf)	Carton	225 ft2	57 lb.	36 cartons
Polyguard Shur-Tac Water Base Liquid Adhesive	5-Gal Pail <i>or</i> 4-1-Gal Pail	250 – 350 ft2/gallon	50 lb. 37 lb.	36 Pails 54 Cartons
Polyguard 650 LT Liquid Adhesive	5-Gal Pail <i>or</i> 4-1-Gal Pail	250 – 350 ft2/gallon	45 lb. 31 lb.	36 Pails 54 Cartons
Polyguard Detail Sealant	Carton with 12 30 oz. tubes	1/8" bead – 293 lf/tube 1/4" bead – 73 lf/tube 3/8" bead – 30 lf/tube	32 lb.	25 Cartons
Polyguard 650 Mastic	5-Gal Pail <i>or</i> Ctn. with 12 30 oz. tubes	1/2" bead 65 LF/tube 1" bead 100 LF/gallon	48 lb./Pail	36 Pails 25 Cartons