

TERM® Isolation Joint|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

DESCRIPTION

TERM Isolation Joint Barrier is a “peel and stick” termite barrier composite used for sealing isolation joints (cold joints) before pour of a new slab which butts against an interior slab. *TERM Isolation Joint Barrier* consists of a laminated elastomeric membrane which has a *TERM Sealant Barrier* adhesive on both sides. Total thickness of the *TERM Isolation Joint Barrier* is a nominal 0.5” (12.7 cm). The exposed adhesive faces of *TERM Isolation Joint Barrier* are covered by a disposable treated release sheet, which can be peeled away to expose the adhesive face. Roll width is 2” (.102 cm). Length is 25’ (2.44 m).

Embedded within the *TERM Isolation Joint Barrier* is a 4” wide stainless-steel screen, with aperture opening of 0.018” (0.465 mm). Roll length is 25’ (7.62 m).

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).

ADVANTAGES

TERM Isolation Joint Barrier is a non-structural barrier which, when properly constructed as part of the building envelope, acts as a barrier to termites entering the structure through cold joints

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* blocks most entry points that a subterranean termite could find. Plus, *TERM* waterproofs buildings.

REFERENCES

LEED

Click here to go to [LEED v4 Documentation](#).

INSTALLATION

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](#).



TERM™ Isolation Joint Barrier installed on a Waco, TX residence. The barrier is adhered to the side of the house slab. Prior to driveway pour, release liner is removed and 0.018” Micromesh screen is folded out to horizontal. The result is a barrier embed

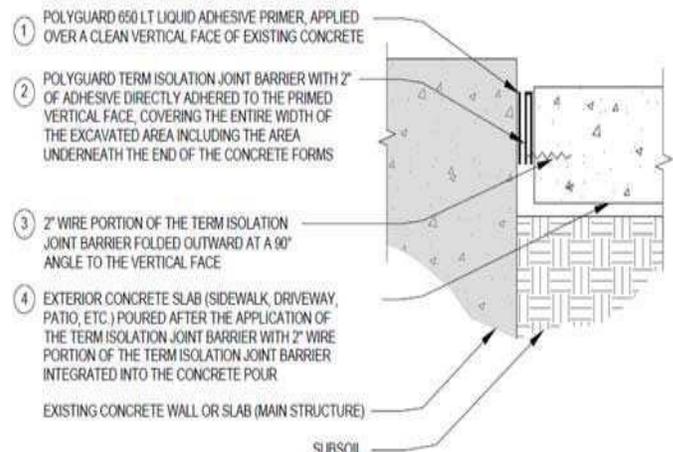
The *650 LT Liquid Adhesive* is an industrial coating and would be harmful or fatal if swallowed. It is marked as red label from the standpoint of flash point.

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, and explosion-proof equipment.*



Preparatory Work

Apply *TERM Barrier* only in fair weather, when temperatures are above 30°F (-1°C) and rising, and surfaces are dry.

Application of Isolation Joint Barrier:

Prior to installation of forms, remove sharp protrusions from concrete. Cut *TERM Isolation Joint Barrier* to proper length. Proper length is the full width of the slab to be poured, plus 6" to extend beyond the concrete forms.

1. Prime the vertical face of the concrete with *Polyguard 650 LT Liquid Adhesive*. Extend the primer to the full width of the slab to be poured plus 3" on either side of where the side of the slab will be. Allow to cure until tacky.
2. If dowels have been installed in the existing slab, cut slits in the *TERM Isolation Joint Barrier* to accommodate the dowels and seal between holes and dowels with *Polyguard 650 Mastic* or *Polyguard Detail Sealant*. Note that dowels can be installed after the *TERM Isolation Joint Barrier*; holes may be drilled through the barrier, and then sealed.
3. Peel away one side of the split release liner and adhere the adhesive face of the *TERM Isolation Joint Barrier* to the vertical concrete. The top edge of the barrier should be ½" below the top edge of the existing slab.
4. Peel away the release liner facing the concrete pour. Then fold out the stainless steel screen 90° to a horizontal direction.
5. Forms may now be installed and the slab poured. During the pour care
6. should be taken to make sure that the stainless steel screen remains in a horizontal position, so the concrete will encapsulate the screen..
7. Note that it is recommended that upon completion of landscaping, a Polyguard approved pest management professional to install a 4" x 5" deep wedge shaped trench and fill it with *TERM Particle Barrier*. This is required to provide full perimeter non-chemical protection against termites
8. should be taken to make sure that the stainless steel screen remains in a horizontal position, so the concrete will encapsulate the screen
9. Note that it is recommended that upon completion of landscaping, a Polyguard approved pest management professional to install a 4" x 5" deep wedge shaped trench and fill it with *TERM Particle Barrier*. This is required to provide full perimeter non-chemical protection against termites.

Inspection and Repairs

Visually inspect *TERM Isolation Joint 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.

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 barrier.

LIMITATIONS

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.

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. including waste disposal.

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

X:PGP/Mktg/Lit/31/2018/TERM Isolation Joint Termite Barrier R4-17-18

PHYSICAL PROPERTIES

Typical Properties of TERM Isolation Joint Termite Barrier			
Property	Test Method	English	Metric
Color	--	Black	<i>Black</i>
Barrier Thickness	ASTM D 1000 inch (mm)	0.5" +/- .125"	12.7 +/- 3
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 – % Stretch Before Failure	ASTM D 412	> 500%	> 500%
Permeance to Moisture and Water Vapor	ASTM E 96-B perms	.05	.05
Water Absorption	ASTM D 570	0.1%	0.1%
Peel Adhesion	ASTM D 1000 lb/in width / (N/mm)	8.0	1.40
Low Temperature Flexibility	ASTM D 1970 180° bend over 1" mandrel at -15°F(-9.4 C)	No cracking or delamination	No cracking or delamination
Barrier Puncture Resistance	ASTM E 154 (Blunt Instrument) lb / (N)	150	546
Aperture Size of Encapsulated Stainless Steel Screen	ASTM D 1000 inch (mm)	0.018"	.457

PACKAGING INFORMATION

Product	Unit of Measure	Approximate Coverage	Weight / Unit	Palletization
<i>TERM Isolation Joint Termite Barrier</i> 2" x 25' – 6 rolls – 150 LF	Carton	2" width – 150 LF/ctn	70 lb.	24 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