



polyguard

TERM BARRIER



EPA Establishment No. 89537-TX-1

PRODUCT DATA SHEET

ADVANTAGES

TERM Wood Floor Underlayment|Termite Barrier is a protective underlayment for wood and laminate flooring.

TERM Wood Floor Underlayment|Termite Barrier acts as a moisture barrier to protect wood flooring from moisture damage caused by vapor coming from up through the slab. The self-healing properties of the sealant component enable it to create a seal around any nails driven through the barrier during floor installation.

When properly constructed as part of a complete *TERM Barrier system*, *TERM Wood Floor Underlayment|Termite Barrier* is a non-structural barrier which, properly constructed as part of the building envelope, blocks both termites and water.

Finally, *TERM Wood Floor Underlayment|Termite Barrier* has sound absorbing and insulating qualities which make the floor quieter and warmer in winter.

DESCRIPTION OF COMPONENTS

TERM Wood Floor Underlayment Barrier is 40 mils in thickness. The most key component is the sealant, a proprietary polymer and asphalt blend which blocks moisture and termites, and acts as a sound absorbent layer.

A layer of polypropylene film is laminated to the top of the sealant. The film has a skid resistant finish,

An inner layer of removeable silicone coated release liner is on the underside. Removing the release liner exposes the adhesive face of the sealant.

Polyguard 650 WBX Water-Base Liquid Adhesive is applied to prime the subfloor prior to application of the *TERM Barrier* on new construction.

REFERENCES

LEED: Here is a link to LEED v4 documentation: <http://www.polyguardproducts.com/wp-content/uploads/2017/11/LEED-v4-Documentation-11-13-17.pdf>



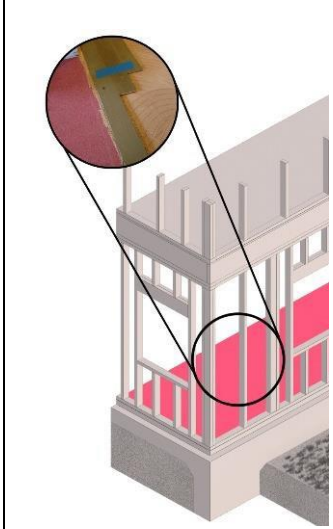
TERM® Wood Floor Underlayment Vapor and Termite Barrier



International Code Council
Termite Barrier System
Report ESR-3632

Link: <https://icc-es.org/report-listing/esr-3632/>

POINT OF PROTECTION



Protects wood floors against vapor and termites

MAINTENANCE

No maintenance should be required unless the product has been damaged by construction or by some other activity.

SAFETY

All Polyguard products must be handled in a safe manner. Read both the product label and the Safety Data Sheet (SDS) before use.

SDS sheets:

<https://www.polyguardproducts.com/term/wp-content/uploads/2021/10/Term-Membranes-5-4-2020.pdf>

HPD info:

<https://www.polyguardproducts.com/term/term-hpd/>

Call Polyguard at 214-515-5000 if you have questions.

INSTALLATION

Preparatory Work

Prior to installation, rolls of *TERM Barrier* should be stored in a warm place.

Moisture in Concrete: Concrete substrates should have an RH < 75%, following the procedures outlined in *ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes*.

Surface Preparation: The subfloor shall be clean, dry, and dust free. Non-moving cracks >3/16" should be filled prior to application. For new construction, apply *650 WB Waterbase Liquid Adhesive* to a clean substrate at the rate of 300-350 ft²/gallon, being sure to stir the liquid adhesive prior to use.

For reflooring, use *650 WBX Water Base Primer*.

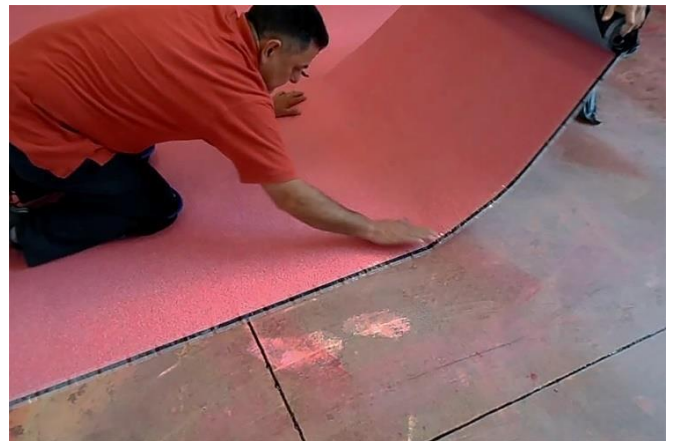
Allow the liquid adhesive to dry to a slight tacky surface. The adhesive can be applied with brush or short nap roller. Do not multicoat or apply excess amounts.

Application: An important thing to remember is that the *TERM Wood Floor Underlayment|Termite Barrier*, when completely installed, should form a 100% seal

X: /Mktg/Lit / Term/ 2022/Foundation Data Sheet R 022323

across the entire horizontal surface of the floor and should be tied into *TERM Sill Moisture|Termite Barrier*, with no gaps between the barrier sealants of the wood floor underlayment and the sill barrier.

Cut roll to desired length for the run. Remove the first 6" of the silicone coated release sheet to expose the adhesive face. Being careful to keep the underlayment squared up. Place the exposed adhesive bottom onto the subfloor. Unroll the underlayment, removing the release liner as you go. Smooth into place as you go, trying to avoid air blisters. If blisters do occur, they can be slit, and the membrane pressed flat.



With following rolls, be careful to butt against, but not overlap, the adjacent piece. Use pressure from a roller or otherwise to ensure that the barrier is well conformed to the subfloor surface. If thin set mortar is used, it is recommended to use a latex modified thin set.

Inspection and Repairs: If at completion any gaps are found between adjacent sealant areas, they should be filled with *Polyguard Detail Sealant*. If possible, fill the gaps at the end of the day, as the sealant can track before curing. Tool the sealant level with the underlayment to avoid tracking.

PROPERTIES		
TERM® Wood Floor Underlayment Termite Barrier		
Property	Test Method	Typical Result
Long Term Testing against Termite Penetration	ICC AC 380 Acceptance Criteria for Termite Physical Barriers	See ICC AC 380 ESR 3632 https://icc-es.org/report-listing/esr-3632/
Pull-Off Strength of Primer Adhesive and Underlayment	<u>Test Program Using *</u> ASTM F 1869 - <i>Measuring MVER Rate</i> ASTM F 2170 – <i>Relative Humidity in Slab</i> ASTM D 7234 - <i>Pull-Off Adhesion</i>	@ MVER of ≤5 lb./1000 ft ² in 24 hours OR RH% ≤ 80% @28 days 34.75 PSI avg. @90 days 39.55 PSI avg. @90 days + 28 days @ 100% RH 46.2 PSI
Pesticide Repellency	ASTM D 412	> 1000%
Permeance to Moisture and Water Vapor	ASTM E 96-B Grains/ft ² /hr./in HGF (grains/hr./m ²)	.035
Permeance to Moisture and Water Vapor after Nail Puncture (<i>self-healing property</i>)	ASTM E 96 perms	.05
Elongation of Barrier Sealant % Stretch Before Failure	ASTM D 412	>1000%
Water Absorption	ASTM D 570	0.1%
Low Temperature Flexibility	ASTM D 146 180° bend over 1" mandrel at -25°F(-32°C)	No cracking or delamination
Total Thickness	ASTM D 1000	.040"

PACKAGING		
TERM Wood Floor Underlayment Termite Barrier		
ROLL SIZE	ROLLS/CTN	LBS/CTN
37" x 73.3' / 225 ft ²	1	65#
Primers and Sealant		
Polyguard 650 WBX Water-Based Liquid – Pail	5 Gallons	40
Polyguard 650 WBX Water-Based Liquid – 4 x 1 Gallon	4 Gallon Carton	39
Polyguard Detail Sealant - 20 oz sausages	20 per case	10

PRODUCT LIMITATIONS

This material is not recommended for use on subfloor surfaces where water vapor transmission or head pressure exists. This material is not recommended where cracks exceed 3/8", areas with horizontal movement > 1/4" or expansion joints that move vertically and horizontally.

LIMITATIONS AS A TERMITE BARRIER

TERM Wood Floor Underlayment Vapor|Termite Barrier is just one piece of an extensive termite barrier system.

When properly installed, TERM Barrier 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

<https://www.polyguardproducts.com/term/exclusion-101/how-pests-enter-structures/>

If you look at the termite web link above, you will see some of the many places on a structure where termites can enter. Polyguard's TERM Division has developed products and applications to exclude termites at most entry points, but not all of them. We are developing barriers for additional entry points. Each correctly installed TERM barrier component reduces the probability of termite problems and to the probability of chemical treatments to treat termite infestations.

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 numerous other termite species, not known to be present in the United States, which are highly voracious. Limited testing outside of the United States has been done or is in progress. Contact Polyguard for information about non-domestic testing.

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.

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.

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

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

TECHNICAL SERVICES & SALES

Polyguard Products, Inc
PO Box 755
Ennis, TX, 75120
Phone 214-515-5000



Email: polyguard@polyguard.com

Web: www.polyguard.com