

# PRODUCT DATA SHEET



## TILEGUARD™

Anti-Fracture Membrane Underlayment

### MANUFACTURER

Polyguard Products, Inc.  
Ennis, TX 75119  
(214) 515-5000  
[www.polyguard.com](http://www.polyguard.com)

### PRODUCT DESCRIPTION

#### Basic Uses

Tileguard™ is a composite membrane of fabric and rubberized asphalt, 40 mils in thickness. This elastomeric, self-adhesive membrane is wound on cores with a disposable silicone coated release sheet.

Tileguard is used under tile.

The material is elastomeric and strong, so it can absorb stress caused by concrete cracking, helping to prevent cracks in the subfloor from appearing in the tile surface above.

Tileguard can be installed over a variety of subflooring surfaces. Used underneath ceramic or brick flooring with thin or thick tile setting materials.

Tile floors with Tileguard on the subfloor will not only be less subject to cracking, they will also make the home quieter, warmer, and drier.

### Technical Data

See physical properties table

### Installation

#### Surface Preparation

The subfloor shall be clean, dry, and dust free. Non-moving cracks greater than 3/16-inch: should be filled prior to application. Apply 650 WB Liquid Adhesive at a rate of 350-400 sq. ft. per gallon, being sure to stir the liquid adhesive prior to use. Allow liquid adhesive to dry to a slight tacky surface. Can be applied with short nap roller or brush, but do not multi-coat or apply excess amounts.

### MEMBRANE APPLICATION

Cut roll to desired length. Remove the silicone coated release sheet immediately before application. Place the exposed adhesive bottom onto the subfloor, and smooth it into place as you go, trying to avoid air blisters. If blisters do occur, they can be slit and the membrane pressed flat. Use pressure from a roller or other wise to ensure that the membrane is well conformed to the subfloor surface. If thin set mortar is used, then it is recommended to use a latex modified / polymer modified thin set.

### Cool Weather:

When applied in cool temperature conditions, the adhesive surface of Tileguard may lose a portion of its adhesiveness. The following measures will improve adhesion in cool installation conditions:

1. Keep rolls of membrane in a warm storage area prior to using.
2. On exterior surfaces, 650 LT Liquid Adhesive may be used at a rate of 250-300 sq. ft. per gallon.

This material is not recommended for use on subfloor surfaces where water vapor transmission or head pressure exists (example shower stalls or shower pans). This material is not recommended where cracks exceed 3/8-inch, areas with horizontal movement greater than 1/4-inch or expansion joints that move vertically and horizontally.

### STORAGE

Polyguard membranes should be handled and stored so as to prevent injury to packages. Material should be stored in a cool, dry place, kept from contact with earth and protected from weather. Materials should be stored in heated buildings during cold weather.

### SAFETY

SDS documents for all Polyguard products can be obtained at our website [www.polyguard.com](http://www.polyguard.com). Call Polyguard Products, Inc. at (214) 515-5000 with questions.

### WARRANTY

We, the manufacturer, warrant only that this product is free of defects, since many factors which affect the results obtained from this product are beyond our control; such as weather, workmanship, equipment utilized and prior condition of the substrate. We will replace at no charge product proved to be defective within twelve (12) months of purchase, provided it has been applied in accordance with our written directions for uses we recommended as suitable for this product. Proof of purchase must be provided.

### TECHNICAL SERVICES

Technical assistance, information and Polyguard's products are available through a nationwide network of distributors and architectural representatives, or contact Polyguard Products, Inc.

Sales: (615) 217-6061 • Tech Support: (214) 515-5000

Email: [archtech@polyguard.com](mailto:archtech@polyguard.com)

Website: [www.polyguard.com](http://www.polyguard.com)

PROPERTY	TEST METHOD	TYPICAL VALUE
Total Thickness		40 mils
Elongation-Ultimate Failure of Rubberized Asphalt	ASTM D 412 Modified	1200%
Low Temperature Elasticity	ASTM D 146 Modified	Does not crack when bent over a mandrel at -15° F
Peel Adhesion	ASTM D1000	>10 lbs./in. width
Robinson Test – load cycling	ASTM C 627	Rated for light commercial
Impact Sound Transmission Test 6" slab / 40 mil membrane / quarry tile / ceiling	ASTM E 492-04 ASTM E 989-89	IIC = 69 dB
Impact Transmission Loss Test 6" slab / 40 mil membrane / quarry tile / ceiling	ASTM E 90-04 ASTM E 413-04	STC = 69 dB

PACKAGING	Part Number	Unit Size
<b>TILEGUARD™</b>	TI37	37" x 63.3'
<b>Required Accessory:</b>		
650 WB Liquid Adhesive	PG.650.WB.5	5-gallon pail
<b>Possible Accessories:</b>		
650 LT Liquid Adhesive (for exterior application only)	650-5 LIQ ADH 5 GA	5-gallon pail
650 LT Liquid Adhesive (for exterior application only)	650-5 LIQ ADH 1 GA	4 • 1 gal pails/ctn
Detail Sealant PW™	DETAIL SEALANT PW – SAU 20 OZ	20 sausages/ctn
Detail Sealant PW™	DETAIL SEALANT PW – 3 GAL	3-gallon pail
LM-85 SSL	LM85-2 SSL	2-gallon pail
LM-85 SSL	LM85-5 SSL	5-gallon pail

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