A Subsidiary of Garland Industries

BiLar™

DESCRIPTION

BiLar™ is a multi-component Class A vapor barrier composed of a highly puncture resistant tightly woven fabric coated with a strong, low perm, and long lasting polyolefin resin.

BiLar is designed for use as a high-performance vapor barrier under slabs, permanent liner in sealed crawl spaces, in vertical waterproofing, and flashing applications.

BiLar provides more abrasion and puncture resistance than standard 15 mil poly sheeting.

STANDARDS

BiLar is a composite product consisting of a tightly woven, puncture resistant polypropylene fabric laminated on both sides with a 4 mil polypropylene extrusion.

BiLar is available in 5' and 10' widths in lengths of 150'. BiLar weighs approximately 32lbs/Msf.

BiLar exceeds standards set forth in ASTM E-1745-97 for plastic water vapor retarders used in contact with a soil or granular fill under concrete slabs.

APPLICATIONS

- Vertical Waterproofing
- Horizontal Waterproofing
- Under Slab Vapor Barrier
- Crawl Space Vapor Barrier
- Crawl Space Encapsulation
- High-Performance Flashing

INSTALLATION

Under Slab Vapor Barrier – Base aggregate or soil should be tamped and level according to local building code. Install BiLar white side up, parallel to direction of pour. Overlap seams a minimum of 6" stapling the underlying portion with blind clinch staples (sod staples) inserted 45° and 3" from edge every 5'. Clean seams then install GMX, Inc. barriers white 9 mil seam tape the entire length of the seam.

Vertical Waterproofing – Foundation or wall should first be prepped, coated with waterproofing membrane, and allowed to cure per manufacturers instructions. BiLar should then be unrolled and cut to fit desired location. Clean and tape the length of any seams with GMX, Inc. barriers white 9 mil seam tape. Fasten using mechanical fasteners with washers above the grade line at least 1" from edge every 3'.

STORAGE

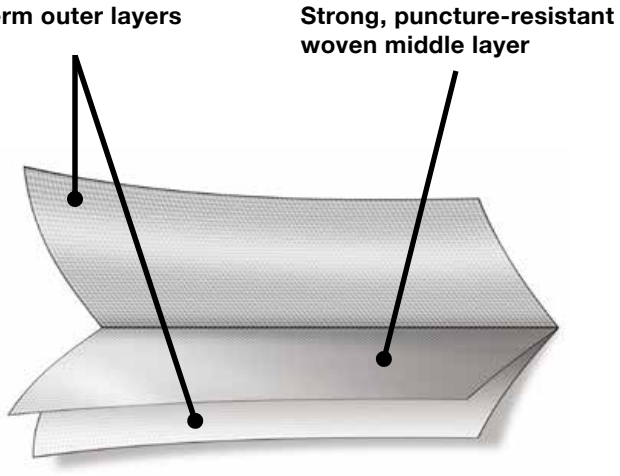
BiLar should be stored out of direct sunlight.

TECHNICAL SERVICES

Additional technical services are available from GMX, Inc. barriers upon request.

TECHNICAL DATA

Property	Value	Test Method
Tensile Strength	135 lbs/in^2	ASTM E 154-93, 9
Puncture Resistance	2545 grams	ASTM E 154-93, 10
Vapor Permeance	.04 perms	ASTM E 96 B
Low temp on bending	.039 perms	ASTM E 154-93, 12
In contact with soil	.04 perms	ASTM E 154-93, 13
Deterioration from petroleum	.043 perms	ASTM E 154-93, 14
Thickness	15 mil	



The information and recommendations discussed in this publication are believed to be correct. The ASTM testing is conducted by an independent accredited laboratory. No statement should be construed as a recommendation for any use, which would violate any patent rights. This document is not a guarantee of a warranty, if approved by GMX, Inc., a performance warranty may be granted.

GMX, Inc.
3014 Chamber Dr.
Monroe, NC 28110
Toll Free: 866-228-7743
www.gmxco.com

0421 © 2021 Garland Industries, Inc.