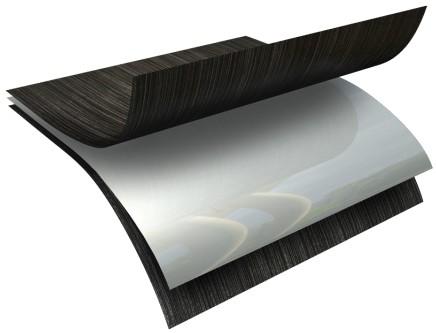
GRIFFOLYN®
VAPORGUARD®

modern materials

TECHNICAL DATA SHEET



DESCRIPTION

Vaporguard® is a 3-ply laminate with an aluminum core surrounded by two layers of multi-axially oriented, HDPE/LLDPE.
It is specifically engineered to provide high strength and durability in a lightweight material.

PHYSICAL PROPERTIES AND TYPICAL VALUES

PROPERTY	ASTM TEST METHOD	U.S. VALUE	METRIC VALUE
Weight	D-3776	82 LB/1000 FT^2	40 KG/100 M^2
3" Tensile Strength	D-882	160 LBF	712 N
Puncture Strength	D-4833	45 LBF	200 N
PPT Resistance	D-2582	45 LBF	200 N
Dart Impact Strength	D-1709	3 LBS	1730 g
Cold Impact Strength	D-1790	-50°F	-45°C
Permeance	E-96	0.000 Grain/Hr•Ft^2•in.Hg	0.0 NG/(PA•S•M^2)

FEATURES AND BENEFITS

- Multiple polyethylene layers and aluminum layer provide extremely low permeability and resist punctures and tears.
- UV stabilization protects the material from degradation during extended exposure to sunlight.
- Cold-crack resistance eliminates failures in extremely cold temperatures.
- Chemically resistant to withstand exposure without significant deterioration.
- Aluminum core provides extremely low permeability for minimal moisture transmission.
- Flexibility and light weight allow for easy handling and quick installation.
- Custom fabrication is available to meet your exact specifications.
- Class B, ASTM E-1745-11 Standard Specification for Water Vapor Retarders Used in Contact With Soil or Granular Fill Under Concrete Slabs.

MORE

SUGGESTED APPLICATIONS

- Architectural vapor retarder for underslab, walls & ceilings and in roofing systems. Ideal for cold storage and high moisture areas.
- Floor covers, dust partitions and cleanroom enclosures.
- Temporary walls, plant dividers, building enclosures and containment tents.
- Soil covers to control leachate for stockpiles and landfills.
- Erosion control and slope protection covers.

ORDERING INFORMATION

AVAILABLE COLORS:
Black

SIZES:
Custom sizes up to 100' x 120' and custom fabrication are avaiable to meet your exact specifications.

USABLE TEMPERATURE RANGE:
Minimum: -50˚F -45˚C
Maximum: 170˚F 77˚C

OUTDOOR EXPOSURE

Under normal continuous exposure the average life expectancy ranges from 18 to 30 months.