

LeakBarrier® BG700

LeakBarrier BG700 is a premium self-adhering SBS modified bituminous membrane with a high strength cross laminated polyethylene film on the upper side and a removable silicone treated release liner on the bottom adhesive side. The versatile membrane can be installed to a variety of substrates in residential and selected light commercial and industrial applications.

Usage **LeakBarrier BG700** is designed as a multi-purpose waterproofing membrane that can be used for the vertical and horizontal waterproofing of foundation walls, tunnels, and earth shelters, as well as plaza decks, parking decks, balconies and terraces. BG700 can also be installed in interior applications such as bathrooms and kitchens in addition to under siding, exterior plaster, wall flashing or anywhere it will be protected from prolonged exposure to ultraviolet light.



Features and Benefits

- ◆ Highly durable sheet that can be used in a variety of applications
- ◆ Rubberized asphalt and polyolefinic film on the upper surface form two distinct water barriers
- ◆ Specially formulated SBS compound facilitates a pliable sheet that will not crack or dry
- ◆ Self-sealing around fasteners
- ◆ Exceptional tensile, tear and elongation properties
- ◆ Extended selvage provides an asphalt-to-asphalt adhesion at the seam for an immediate bond
- ◆ Film surface is compatible with most construction sealants
- ◆ Versatile sheet adheres to a wide variety of substrates such as concrete, plywood, OSB, metal, wood vinyl, masonry, certain rigid insulations, insulated concrete forms (ICF), etc.

Storage

- ◆ BG700 must be stored indoors, in a dry location.
- ◆ Rolls must be protected from the elements. Do not store rolls in direct sunlight.
- ◆ Keep rolls clean and free from moisture prior to installation.
- ◆ Store rolls at room temperature. Prolonged exposure to elevated temperatures may reduce the adhesive characteristic of the material.
- ◆ Do not double stack pallets.

General Precautions

- ◆ Install BG700 in strict compliance with applicable building codes.
- ◆ Follow Occupational Safety and Health Administration (OSHA) safety standards; use common sense measures and adequate precautions to prevent accidents.
- ◆ Install BG700 only when material interface temperatures (air, deck, material) are 40°F and rising.
- ◆ BG700 shall not be left exposed to the sunlight for more than 30 days.

Surface Preparation

- ◆ Surface must be clean, dry, and free of voids prior to installing BG700.
- ◆ For best results, surface may be primed with an ASTM D41 primer prior to installation of the membrane. When primer is used, ensure the primer is fully dry prior to application of BG700.
- ◆ When surface is primed, ensure the primed surface is dry to the touch and install the membrane within the same work day. If not, the surface shall be re-primed.

Application

- For ease of application, unroll BG700 and allow it to relax for at least 15 minutes.
- Install the membrane either horizontally or vertically, depending upon the project considerations.
- Arrange the membrane in a straight manner and remove the release film in a gradual fashion. Then apply uniform pressure using a 28-lb weighted roller to ensure 100% bond to the underlying substrate.
- Apply the membrane starting at the lowest point, working the way to the highest point.
- Use minimum 3 inch side lap and 6 inch end laps, and stagger all end laps by at least 3 feet.
- Protect membrane from damage or direct contact with any backfill. Backfill shall be executed in lifts or stages of a maximum of 12 inches to ensure proper compaction. Ensure base of foundation walls have proper drainage designed to limit the hydrostatic pressure.
- When installing on vertical concrete surfaces, a termination bar is recommended around the top.

Properties

Property	Typical Value	Test Method	Property	Typical Value	Test Method	Product Data	
Tensile Strength, Membrane	370 psi	ASTM D412	Low temperature flexibility	-15°F	ASTM D1970	Width	36 in
Elongation, Rubberized Asphalt	600%	ASTM D412	Pliability	No effect at -25°F	ASTM D146	Length	66 ft 8 in
Tensile Strength, Film	7,200 psi	ASTM D882	Puncture resistance	70 lb	ASTM E154	Weight	73 lb (nominal)
Permeance	0.05 perms max.	ASTM E96	Water absorption	0.1 % max	ASTM D570	Thickness	60 mil (nominal)
Crack cycling	Not affected at -15°F	ASTM C836	Hydrostatic head	231 feet	ASTM D5385	Roll Size	200 sq ft
Peel strength	17 lb/inch width	ASTM D903	Resistance to Fungi in soil	No effect at 16 weeks	GSA-PBS 07115	Rolls per Pallet	30
Lap peel adhesion	8 lb/inch width	ASTM D1876	Soil Burial	No effect at 16 weeks	GSA-PBS 07121		

Warranty

LeakBarrier BG700 is warranted to be free from manufacturer's defects.

NOTE: All statements, information and data, given herein are believed to be accurate and reliable but are presented without guaranty, warranty or responsibility of any kind, expressed or implied, except as may be indicated otherwise in this literature. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.

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