

LeakBarrier® ReflectPlus

LeakBarrier ReflectPlus is a premium self-adhering SBS modified bituminous membrane with a highly reflective film laminate on the upper side and a removable silicone treated release liner on the bottom adhesive side. The exposed surface is comprised of a proprietary construction of a bright white acrylic coated aluminum reinforced with a polyolefinic film that provides enhanced reflectivity and emissivity.

Usage **LeakBarrier ReflectPlus** is designed for use as a finished roof covering in multi-ply roof systems, including new roofing, re-roofing and recover applications. ReflectPlus is ideal for patching and gutter repair, and for use as a flashing membrane.



Features and Benefits

- ◆ Easy-to-install sheet – no need for torches, tapes or fasteners
- ◆ Light weight and easy to handle
- ◆ Highly reflective surface that is UV resistant and helps lower utility costs
- ◆ Rubberized asphalt imparts water barrier characteristic
- ◆ Self-sealing around fasteners
- ◆ Specially formulated SBS compound facilitates a pliable sheet that will not crack or dry
- ◆ High temperature resistant up to 240°F
- ◆ Release film peels off for easy installation and handling
- ◆ 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.
- ◆ Durable surface that can be re-surfaced
- ◆ Meets ASTM D1970

Storage

- ◆ ReflectPlus 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 ReflectPlus 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 ReflectPlus only when material interface temperatures (air, deck, material) are 40°F and rising.
- ◆ Do not install when any form of moisture such as water, frost, ice, snow, dew, rain, etc. is present.
- ◆ Ensure roof has positive drainage prior to installation.
- ◆ Proper ventilation is critical. When applying over the entire roof deck, the roofing system must provide sufficient ventilation, including both ridge and soffit venting.
- ◆ A full, irreversible adhesion is achieved when the underlayment goes through a complete heat cycle. Do not attempt to remove the underlayment immediately after adhesion to the substrate.
- ◆ Use of a hand-held “hot air gun” might help in enhancing adhesion during application of underlayment in cooler weather.

Surface Preparation

- ◆ Surface must be clean, dry, and free of voids prior to installing ReflectPlus.
- ◆ For re-roofing, all old roofing and other loose materials must be removed prior to installation.
- ◆ ReflectPlus may be installed directly to the substrates of non-occupied spaces such as carports, sheds, canopies, porches, etc.

- ◆ Acceptable substrates for adhesion of LeakBarrier membranes can be found at the Tarco website
- ◆ For best results, surface may be primed with an ASTM D41 Primer prior to installation of ReflectPlus. When primer is used, ensure the primer is fully dry prior to

application of ReflectPlus.

- ◆ 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 ReflectPlus and allow it to relax for at least 15 minutes.
- ◆ Apply the membrane starting at the lowest point, working the way to the highest point.
- ◆ Arrange the membrane in a straight manner, fold back the sheet, and remove the exposed release film, taking care not to displace the sheet.
- ◆ Working from the center out, roll the sheet onto the substrate, taking care to avoid wrinkles and ridges. ReflectPlus must be set straight. Repeat this process for the other half of the sheet.
- ◆ Apply succeeding courses in like manner, as in steps above.
- ◆ Use minimum 4 inch side lap and 6 inch end laps, and stagger all end laps by at least 3 feet.
- ◆ At the T-Joints (where an end lap and next overlapping course intersect) and other laps where the self-adhesive compound comes into contact with the film, use a hot air welder to ensure a water tight seal.
- ◆ Roll the entire membrane surface, paying special attention to side laps, end laps and T-joints. Roller weight shall be 70 lb. minimum for low slope ($\leq 2:12$ pitch) and 28 lb. minimum for steep slope ($> 2:12$ pitch).

Properties

Property	Typical Value	Test Method
Tensile Strength	40 lbf/in	ASTM D1970
Elongation, Rubberized asphalt	600%	ASTM D1970
Adhesion to Plywood @ 75° F	40 lb/ft width	ASTM D903
Adhesion to Plywood @ 40° F	15 lb/ft width	ASTM D903
Lap Peel Adhesion	8 lb/in width	ASTM D903
Low Temperature Flexibility	-15°F	ASTM D1970
Thermal Stability, max	0.1 in	ASTM D1970
Nail sealability	Pass	ASTM D1970
Permeance	0.05 perms max	ASTM E96

Product Data	
Width	36 in
Length	33 ft 4 in
Weight	28 lb <i>(nominal)</i>
Thickness	40 mil <i>(nominal)</i>
Roll Size	100 sq ft
Rolls per Pallet	42

Warranty

LeakBarrier ReflectPlus 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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