



Aqua Guard

Roofing Underlayment

PRODUCT TECHNICAL DATA

DESCRIPTION

Aqua Guard is a reinforced polyolefin composite sheeting material designed to offer speedy installation. As a roof underlayment, Aqua Guard provides superior protection for the building interior while offering a stronger and lighter alternative to the traditional felt underlayment. A versatile product, Aqua Guard resists deterioration in extreme temperatures and is highly resistant to wind blow off.

ADVANTAGES

Aqua Guard is ideal for both residential and commercial applications in both new construction and re-roofing jobs. It is a cost-effective material that does not tear easily or degrade from exposure to the elements when used as intended. Aqua Guard provides an ideal installation, being both easy on the back as well as highly slip resistant. Aqua Guard also meets all national building codes.

INSTALLATION

It is recommended that Aqua Guard be installed by professional roofing applicators to ensure a quality installation.

Prior to installation, the roof deck must be clean, smooth and dry. Because Aqua Guard is considered a vapor barrier, EcoStar recommends that it be installed above vented attic spaces. For further assistance, contact EcoStar’s Technical Department.

Aqua Guard is laid out horizontally with printed side up using 4” (102 mm) horizontal laps and 6” (152 mm) vertical laps. For prolonged exposure where driving rain or strong winds are expected it is recommended to double the overlaps.

Aqua Guard should be installed with plastic or metal (ring shank or smooth shank) cap-nails or cap-staples. For short term coverage (48 hours) Aqua Guard can be fastened using every other anchoring position as printed on the product. For extended exposure fasten the product using every anchoring position as printed on the product. All anchoring must be performed flush to the roof, 90° to the roof deck that will hold the material tightly with the plywood. Product has 180 days UV protection, but it should not be considered a final roofing system. A proper final roofing system should be installed over the product to get the proper protection.

Please note that the underlayment must be installed in accordance with the provisions of Sections 1507 and 1518 of the Florida Building Code.

WARRANTIES

EcoStar warrants this product to be free of defects in workmanship and materials at the time of shipment from EcoStar’s factory. See www.ecostarllc.com for available warranties.

PRODUCT SPECIFICATIONS

FORMULATION	
Material	Polyolefin
PRODUCT CHARACTERISTICS	
Roll Length	250 ft. (76.2 m)
Roll Width	48 in. (1.22 m)
Roll Weight	38 lbs. (17.23 kg)
Square Feet/Roll	1,000
PHYSICAL PROPERTIES (Typical)	
Operating Range	-40° F (-40° C) to 240° F (116° C)
PACKAGING	
Boxes (Rolls) per Pallet	36
Weight per Pallet (including pallet)	1,368 lbs. (620 kg)
APPLICABLE STANDARDS	
Mechanically Attached Underlayment ASTM D8257	Pass
Breaking Strength ASTM D 751 MD	90 lb (40.8 kg)
Breaking Strength ASTM D 751 CD	90 lb (40.8 kg)
Tear Strength ASTM D4533 MD	35 lb (16kg)
Tear Strength ASTM D4533 CD	35 lb (16 kg)
Water shower Exposure ASTM D 4869	Pass
Nominal Thickness ASTM D5261	12 mils
Permeability ASTM E96	.06 Perms
Pliability ASTM D226	Pass
Fire ASTM E108	Pass
APPLICABLE STANDARDS	
Miami-Dade County Approved NOA	
Florida Building Code Approved	
Texas Department of Insurance	
ICC-ES AC 188 Approved	
Intertek CCRR-0571	
CAN/CA A220 Approved	