

Synthetic Underlayment Applications

synthetic

SystemComponents Corporation

MetShield Synthetic

Weather Tightness Warranty Approved!



(888)321-9630

MetShield
Synthetic Underlayment

MetShield® Synthetic roof underlayments are among the safest, strongest, and best-performing roof underlayments on the market. Woven of heavyweight polymer fabric, MetShield® Synthetic offers superior strength and durability, dynamic steep slope traction, water resistance, a wrinkle-free surface, and resistance to UV-breakdown. The textured woven fabric surface offers dynamic traction and is ideal for steep slopes in a variety of weather conditions. MetShield® Synthetic is rated for commercial and residential applications using plastic caps and roofing nails (3/8" head), and is an ideal roof underlayment for asphalt shingles, metal, tile, slate, and a variety of other sloped roofing materials.

It's also available with the best printing in the industry, DM-ARM custom printing (additional fee applies – 36 roll minimum).

Features and Benefits

Safer: Skid-resistant polymer coating and proprietary Fiber Claw™ walking surface offers dynamic steep slope traction.

Stronger: MetShield® Synthetic is stronger than Type 15 or 30 felt and resistant to tearing and stretching around fasteners in high traffic areas or during high winds.

Lighter: MetShield® Synthetic is lighter than Type 15 or 30 felt and easier to handle during all stages of installation.

Simpler to Apply: MetShield® Synthetic installs quickly, easily and with less risk. It's lighter, stronger and covers more area. Won't buckle, warp, or crack: Superior lay-flat properties and water resistance keeps MetShield® Synthetic from warping, wrinkling, and cracking in cold weather.

- Roll Size: 48" x 250'
- 35-Year Warranty
- Up to 6 month UV exposure
- Use 3/8" Roofing Nails instead of plastic caps:
 - MetShield Synthetic: 51 per SQ
 - Brand X – 180 per SQ
 - That's 129 less fasteners and SAVES LABOR!

Code and Standards

- ASTM D 226, Type II
- ICC-ES AC 207
- CSA A 123.3
- ASTM E 108 / UL790 Assembly – Class A
- CSA A 220.1

Product Specifications

Property	Test Method	Typical
Tensile Strength	ASTM D146-04 (lb/in)	MD113 CD100
Tear Resistance	ASTM D1922-00 (g)	MD >3200 CD > 3200
Rupture Resistance	ASTM D3462-.02	87
Bench Puncture	ICC AC-08	Pass
Long Term Sag	ICC AC-08	Pass
Liquid Water Transmission	ASTM D4869-02	Pass
Ultra Violet Aging	ICC AC 207	Pass
Accelerated Aging	ICC AC 207	Pass

Test Data is based on average results and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limiting.

Installation

Before Installing MetShield® Synthetic: Ensure the roof deck or substrate is properly fastened, has no significant delamination, warpage, bowing or separation from the rafters, trusses or support structures and is free of debris, clean and smooth before the underlayment is applied. MetShield® Synthetic shall be installed using compatible materials and conform to best building practices. Verify the application is compliant with applicable building codes.