

## VERSASHIELD® UNDERLAYMENT PRODUCT SPECIFICATIONS

Prescriptive Requirements	Specification	Test Method Reference
Packaged:	Roll	
Linear Feet/roll	100 ft. minimum	ASTM D 146
Roll Width	42 in., ±0.7%	ASTM D 146
Area per roll	350 sq. ft. minimum	ASTM D 146
Roll Weight	52.5 lb. minimum	ASTM D 146
Fabric Weight	15 lb. per 100 sq. ft. min.	ASTM D 146
Loss on ignition	Maximum of 25%	TAPPI T-1013 OM92
Performance Requirements		
Average Breaking Strength @ 77 ±2 degree F. (Tensile Strength)		
MD	60 lbf minimum	ASTM D 146/D 828, 1" x 5" samples
CD	30 lbf minimum	ASTM D 146/D 828, 1" x 5" samples
Tear Strength @ 77 ±2 degree F		
MD	400 grams minimum	D 1922, 2.5" x 3" samples
CD	550 grams minimum	D 1922, 2.5" x 3" samples
Water Vapor Transmission permeance, perm	3 minimum	E 96
Liquid water transmission test	Pass	D 4869

## VERSASHIELD® CLASS A RATING LAYER REQUIREMENTS

Material	Roof Type	Min. Thickness	15/32" Plywood	Existing Wood Shake/Shingle	Spaced Sheathing
Stone Coated Steel	Direct to Deck Shingle	0.013"	1 Layer	N/A	1 Layer
Steel	Direct to Deck Shingle	0.013"	1 Layer + 30 Felt	N/A	1 Layer + 30 Felt
Any Steel	Batten Required Shingle	0.013"	1 Layer	2 Layers	1 Layer
Any Steel	Panel or Standing Seam	0.015"	1 Layer	N/A	1 Layer
Any Copper	Panel or Standing Seam	0.016"	1 Layer	N/A	1 Layer
Any Copper	Shingle	0.016"	1 Layer + 30 Felt	2 Layers	1 Layer + 30 Felt
Aluminum	Panel or Shingle	0.018"	2 Layers	N/A	N/A

**NOTE: VERSASHIELD IS AN APPROVED ALTERNATIVE TO #15 AND #30 FELT AS AN UNDERLAYMENT FOR ASPHALT SHINGLES. FOR LOW SLOPE APPLICATIONS, 2/12 OR 4/12, OR WHEREVER LOCAL CODES REQUIRE, USE TWO LAYERS.**

## VERSASHIELD® CLASS B RATING LAYER REQUIREMENTS

Material	Roof Type	Min. Thickness	15/32" Plywood	Existing Wood Shake/Shingle	Spaced Sheathing
Steel	Direct to Deck Shingle	0.013"	1 Layer	N/A	1 Layer
Any Steel	Batten Required Shingle	0.013"	N/A	1 Layer	N/A
Any Copper	Shingle	0.016"	1 Layer	1 Layer	1 Layer
Any Aluminum	Panel or Shingle	0.018"	1 Layer	1 Layer	1 Layer

**WHEN INSTALLED IN ACCORDANCE WITH SECTION 2.4 OF ELK'S ICBO ES ER 5627, VERSASHIELD UNDERLAYMENT CAN BE USED AS AN ALTERNATIVE TO THE COVERING MATERIALS SPECIFIED IN SECTION 1516.3 OF THE UBC APPENDIX AND SECTION 1510.4 OF THE IBC OR SECTION R 907.4 OF THE IRC.**