



SYNTHETIC UNDERLAYMENT FOR SLOPED ROOFS

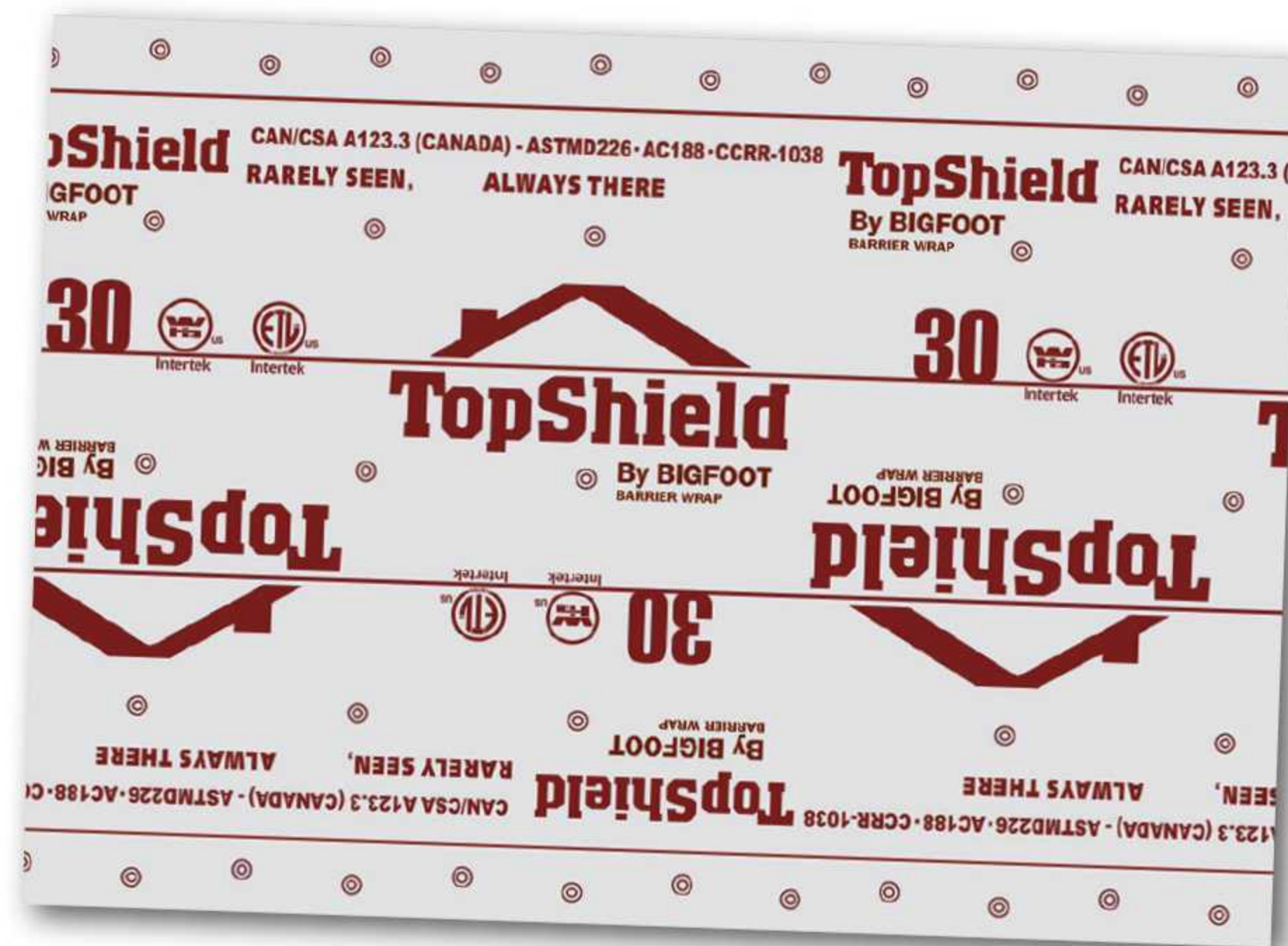
Top Shield Synthetic Underlayment by Mountain Barrier Bigfoot is a highly engineered coated woven underlayment designed with contractors' needs in mind. Our products are manufactured specifically to replaced 15# and 30# mechanically attached underlayments and meet ASTM D4869 and D226 standards.

- **STRONGER**
20 times stronger and 8X lighter than 30# felt. Tear resistant – stands tough and durable in harsh weather.
- **SKID-RESISTANT**
Top surface has added anti-slip coating – helps protect against costly slips and falls.
- **GRIPWALK**
Unique gray surface offers superior foot traction, more friction and slip resistance than standard roofing felt.
- **COOL GRAY**
Unique gray high-traction top layer reduces heat and provides a cooler working surface.
- **EASY HANDLING**
Lighter weight rolls for easy handling during all stages of installation.
- **SIMPLE TO APPLY**
Installs quickly and easily. 17% more coverage per course than a standard roll of felt.
- **RELIABLE**
Unlike felt, Top Shield is highly water-repellent, eliminating warping, wrinkling and cracking in cold weather.
- **100% RECYCLABLE**
100% inorganic eliminating rot and mold. It is considered a Green Building Product.



30 DAY EXPOSURE

20 LBS PER ROLL
10 SQ PER ROLL
20 YR LIMITED WARRANTY



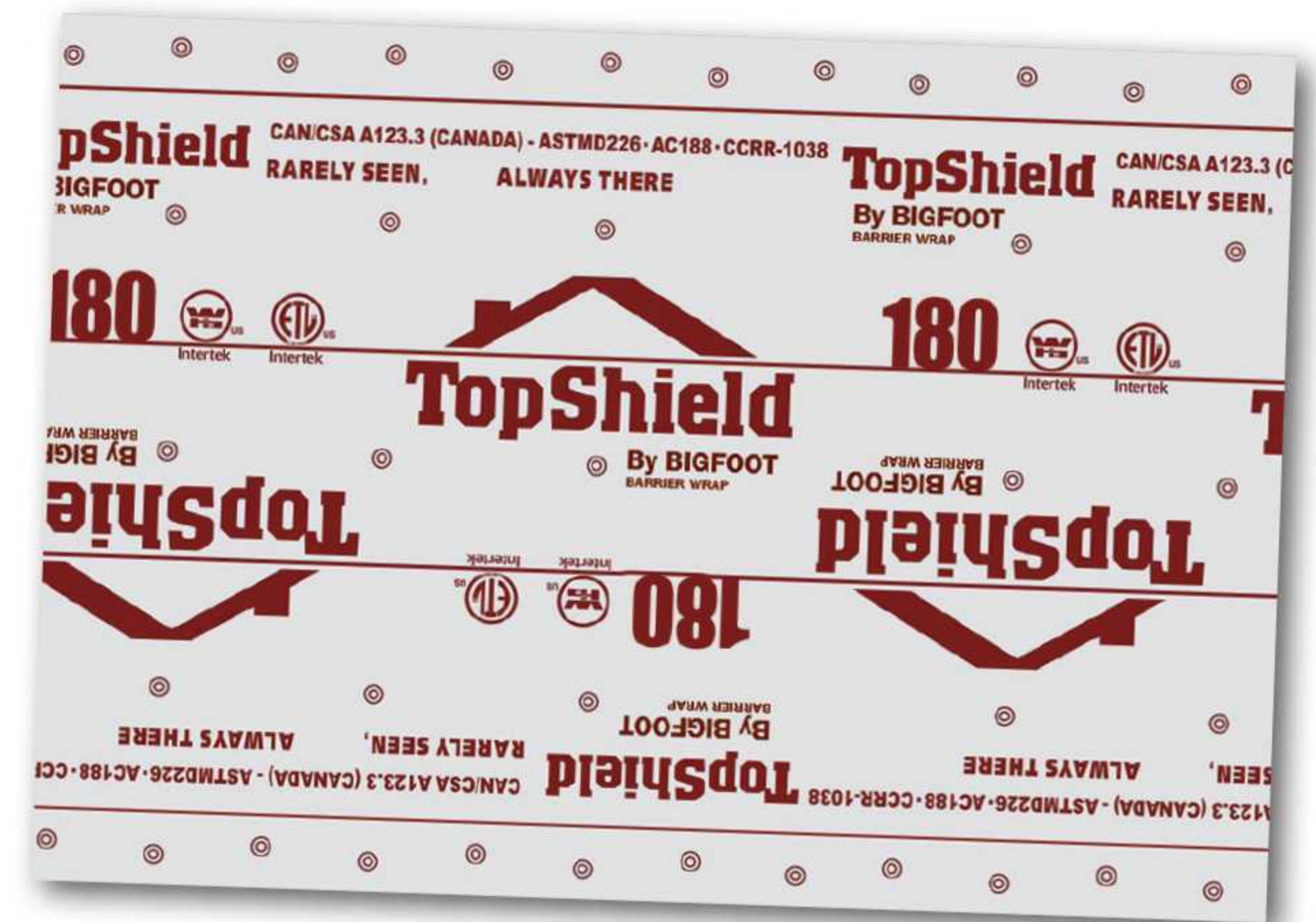
SPECIFICATIONS	TopShield 30	30# FELT
Roll Length	250'	72'
Roll Width	48"	36"
Weight	20 lbs / roll	60 lbs / roll
Roll Size	10 sq	2.2 sq
Rolls per Pallet	64 rolls	30 rolls
Weight per Pallet	1,344 lbs	1,440 lbs
Warranty	20 YR LIMITED	NONE

TESTING	TopShield 30	TEST STANDARD
Permeability	0.05 perms	ASTM E96
Water Transmission	pass	ASTM D4869
Tear Strength MD/CD	42 lbs / 38 lbs	ASTM 4533
Tensile Strength MD/CD	89 lbs / 71 lbs	ASTM D 751
Burst Strength	175 psi (1200 kpa)	ASTM D 751
Elongation	20%	ASTM D 751
Weight Per Square	2.1 lbs	ASTM D5261
Nominal Thickness	7 mils	ASTM D1777
Temperature Range	-20F to 221F	Internal Testing



180 DAY EXPOSURE

28 LBS PER ROLL
10 SQ PER ROLL
25 YR LIMITED WARRANTY



SPECIFICATIONS	TopShield 180	30# FELT
Roll Length	250'	72'
Roll Width	48"	36"
Weight	26 lbs / roll	60 lbs / roll
Roll Size	10 sq	2.2 sq
Rolls per Pallet	56 rolls	30 rolls
Weight per Pallet	1,456 lbs	1,440 lbs
Warranty	25 YR LIMITED	NONE

TESTING	TopShield 180	TEST STANDARD
Permeability	0.05 perms	ASTM E96
Water Transmission	pass	ASTM D4869
Tear Strength MD/CD	42 lbs / 38 lbs	ASTM 4533
Tensile Strength MD/CD	108 lbs / 95lbs	ASTM D 751
Burst Strength	240 psi (1650 kpa)	ASTM D 751
Elongation	19%	ASTM D 751
Weight Per Square	2.6 lbs	ASTM D5261
Nominal Thickness	11 mils	ASTM D1777
Temperature Range	-20F to 221F	Internal Testing

DISTRIBUTORS

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Tucson	520-622-6775
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South San Francisco	650-952-3444
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KAPOLEI	808-682-5104
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Wentzville	636-327-7172
NEBRASKA	
Roca	402-328-9780
Omaha	402-778-5910
NEVADA	
Reno	775-323-0747
OHIO	
Akron	330-630-6700
Canton	330-453-8080
Cincinnati	513-541-2434
Cleveland	440-799-8989
Elyria	440-324-1155
Maumee	419-893-7663
Mentor	440-269-1600
Middleburg Heights	216-452-1010
Middletown	513-217-9889
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Columbus	614-261-7700
Wooster	330-264-5151
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Clackamas	503-657-5400
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Kent	253-395-3500
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Tumwater	360-753-8543
Spokane	509-535-0255
Tacoma	253-203-2122
Kennewick	509-374-0502
Woodinville	425-861-0100
WISCONSIN	
Belleville	608-424-3576



INSTALLATION GUIDELINES

USE: Under composition asphalt, slate, and metal roofs

DIMENSIONS: 48"x250'

ROLL WEIGHT: 20, 26, & 38 lbs per roll (approx)

COVERAGE
950 sq ft per roll (approx) depending on overlap and roof design

PREPARATION
The deck surface must be dry and free of dust, dirt, loose nails, debris, and other protrusions. Damaged sheathing must be replaced.

INSTALLATION
Top Shield underlayment must be installed on a well-ventilated roof with a pitch of 3/12 or greater. Top Shield underlayment is laid horizontally parallel to the eave of the roof with the printed side up. Overlaps run with the natural flow of water in a shingling manner, a minimum 3-inch horizontal laps and a minimum 6-inch vertical laps. Use a straight blade utility knife or scissors to cut.

FASTENING
Top Shield underlayment should be attached to the roof deck with a 4d-8d corrosion-resistant steel or stainless steel ring shank fastener, with a 1-inch diameter corrosion resistant metal round cap, or plastic round top cap. Plastic caps should be fastened with corrosion resistant staples, corrosion resistant 3/4" (minimum) EG or hot dipped galvanised roofing nails. Place fasteners a minimum of 6"-12" O.C. or as needed at all seams to securely hold in place.

BE CAREFUL TO OBSERVE SAFE ROOFING CODES & PRACTICES (OSHA). USE CAUTION WHEN WALKING OR STANDING ON TOP SHIELD UNDERLAYMENT. COEFFICIENT OF FRICTION MAY CHANGE WITH WET, DUSTY, OR ICY CONDITIONS. FAILURE TO USE PROPER SAFETY GEAR AND FOOTWEAR CAN RESULT IN SERIOUS INJURY.



SYNTHETIC UNDERLAYMENT FOR SLOPED ROOFS

Created with Ease of Installation In Mind

STRONG | RELIABLE
SKID-RESISTANT GRIPWALK SURFACE
COOL GRAY TOP LAYER | EASY HANDLING
SIMPLE TO APPLY | 100% RECYCLABLE

