

TRIBUILT® Roof Shield Synthetic Roofing Underlayment

An innovated engineered 4-ply lightweight synthetic roofing underlayment that makes it a superior replacement for a traditional asphalt-saturated 15# OR 30# felt paper; 25 x stronger than 15# felt and 4 x lighter than 15# felt. With a 7mil thickness, a 10 square roll weighs only 23 lbs! These unique design features, when coupled with the exceptional light weight and outstanding tear strength, allows the contractor to easily carry the roll up and down the ladder with fewer laps, cuts, and roll handling that means you can do more jobs in less time resulting in huge savings.

Synthetic vs. Traditional Asphalt-Saturated Felt

- 25 times stronger and 4 times lighter (only 23 lbs) than 15# felt
- Slip-resistant bottom layer is coated with a proprietary formula which resists movement on the roof deck preventing fastener point tears
- Less prone to wrinkling with better UV resistance and durability (6 month rating)
- Lighter roll weight makes installation safer and easier, providing over 30% savings in time and labor
- Non-slip surfaces provide extra safety on all steep slope roofs in all types of weather condition
- 10 square roll; packs more square footage into lighter roll; requires less storage space and handling
- Impervious to mold growth and durable in harsh environmental conditions

Why Contractors Prefer TRIBUILT ROOF SHIELD

• Superior Performance in Anti-Slip Foot Traction

Walking surface is a non-woven spun-bonded fabric to ensure maximum foot traction for anti-slip in all weather conditions.

• Outstanding Tear Resistance

Base fabric is comprised of strong woven polypropylene scrim for outstanding tensile strength and tear resistance.

• Proprietary Formulated Anti-Skid Performance

Skid-resistant bottom layer is coated with a proprietary formula which resists movement on the roof deck preventing fastener point tears.

• Improved Leak Protection

Bottom layer offers additional leak protection and improved sealing around fastener points.

Performance & Protection

Specification:

LL-120R (Regular Roll – 10 sq)	
ROLL LENGTH:	250 feet / 73.152 m
ROLL WIDTH:	4 feet (48 Inch) / 1.219 m
ROLL WEIGHT:	23 lbs / 10.43 kg
ROLL SIZE:	10 sq / 1000 sqft / 92.9 m ²
ROLLS/PALLET:	49 Rolls
PALLET WEIGHT:	1330 lbs / 604 kg
PALLETS:	40HQ CTN 36 Pallets
LIMITED WARRENTY:	20 YEARS

Building Codes/Certification:

- Meets and Exceeds ICC AC207 Acceptance Criteria approval
- Miami Date County NDA# pending / FBC# pending
- Warnock Hersey / Intertek Listing Report: CCRR-1001
- CAN/CSA A123.22; ASTM D226
- Class-A fire rating: ASTM E108

TRI-BUILT® ROOF SHIELD

Synthetic Roofing Underlayment

Technical Data:

TEST & STANDARD	ASTM	TRI-BUILT ROOF SHEILD TYPICAL VALUE	Acceptance Criteria
Vapor Transmission	E96M-05 (AC207)	0.05 perms	≤ 5 perms
Pliability	(AC207)	Pass; No cracking or delamination	Pass
Water Transmission	D4869-05e (AC207)	Pass; No wetness or deterioration on both sides	Pass
Fastener Pull-through Resistance (lbf)	D3462-09 (AC207)	Roofing Nail (12 Gauge); or Capped Nail (16 Gauge)	N/A
Tear Strength (g)	D1922-00a (AC207)	MD & CD ≥ 3200~3400	Pass
Accelerated Aging	(AC207)	No peeling, chipping, cracking, flaking or pitting	Pass
UV Exposure	(AC207)	No peeling, chipping, cracking, flaking or pitting	Pass
ValueLock vs. 15 Lb. Felt			
	VALUELOCK	15 LB FELT	
Tensile Strength	D751	MD 75 lbs (34 kg) CD 65 lbs (32 kg)	MD 54 lbs (24.5 kg) CD 29 lbs (13.2 kg)
Elongation	D751	MD 19% CD 18%	MD 3% CD 4%
4:12 or steeper slope		4" overlap	19" overlap
UV Exposure		6 months	1 week
Installation		Light weight, high strength, non-skid, moisture barrier	N/A
Weight per Square	D5261	2.3 lbs (1.04 kg)	11.2 lbs (5 kg)
Nominal Thickness	D1777	7 mils (0.17 mm)	21 mils (0.525 mm)
Working Temperature Range		-70 °F to 302 °F (-55 °C to 150 °C)	14 °F to 212 °F (-10 °C to 100 °C)

Test data is based on an average taken over several production-runs and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limit to specification. All values ± 10%. Dry tested conditions: in water, #15 felt will absorb +30% water and lose +50% strength when wet.