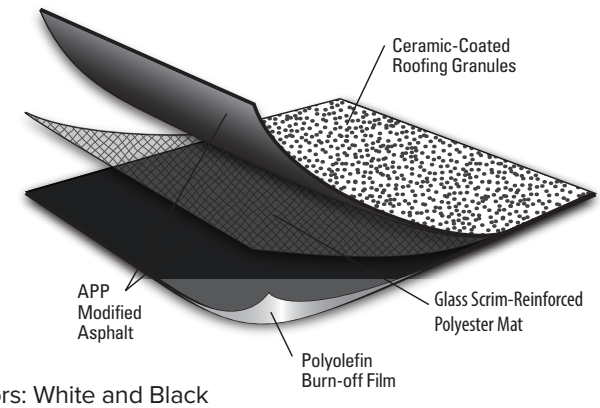
TRI-BUILT® TT APP GRANULATED

GRANULATED CAP OR FLASHING SHEET

Meets the requirements of ASTM D 6222, Type I, Grade G



Colors: White and Black

FEATURES AND COMPONENTS

TRI-BUILT® TT APP Granulated is used as a cap or flashing sheet in APP multi-ply roofing systems.

Premium APP (Atactic Polypropylene) Polymer and Asphalt Blend—An extremely durable sheet with excellent weathering characteristics, flexibility and dimensional stability for ease of handling and quick installations.

Polyester Reinforcement Mat—Bidirectional glass-scrim reinforcement and offers robust tear strength and puncture resistance, allowing for high wind performance and excellent hail rating. The sheet also exhibits strong dimensional stability and enhanced elongation.

Surfacing—Fine mineral parting agent on the top of the sheet. A polyolefin burn-off film on the bottom side enables the product to be applied using heat-welding techniques.

Product Application

Heat Weld

Packaging and Dimensions

Roll Width	39 3/8" (1 m)
Roll Length	32' 10" (10.01 m)
Roll Coverage*	95.8 ft² (8.9 m²)
Roll Weight	112 lb (50.8 kg)
Rolls per Pallet	25
Pallets per Truck**	16

*Assumes a 4" side lap.
** Assumes a 48' flatbed truck.

Energy and the Environment

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%

Codes and Approvals

- UL Class A ratings may be obtained in numerous constructions, both new and re-roof at slopes up to 1" per foot (83 mm/m).

Manufactured exclusively for Beacon Sales Acquisition, Inc. by Johns Manville

TESTED PHYSICAL PROPERTIES

	Physical Properties		ASTM Test Method	Standard for ASTM D 6222, Type I, Grade G	TRI-BUILT® TT APP Granulated	
					MD*	XMD**
Strength	Tear Resistance @ 73.4° F		D 4073 / 5147	≥ 70 lbf	114 lbf	85 lbf
	Peak Load at 0°F (-18°C)		D 5147	≥ 60 lbf/in-width	133 lbf/in-width	107 lbf/in-width
	Peak Load at 73.4°F (23°C)	Unconditioned	D 5147	≥ 50 lbf/in-width	83 lbf/in-width	63 lbf/in-width
		90-Day Heat Conditioned	D 5147 / 5869	≥ 50 lbf/in-width	102 lbf/in-width	67 lbf/in-width
Longevity	Low Temp. Flexibility @ 180° F Mandrel (Pass-Fail)	Unconditioned	D 5147	Pass @ 32° F "none of the specimens show cracking"	Pass	
		90-Day Heat Conditioned	D 5147 / 5869		Pass	
	Low Temperature Unrolling (Pass-Fail) Unroll in 4-6s; Visual Inspection in "unrolled" position		D 5636	Pass @ 41° F "none of the specimens show cracking"	Pass	
	Compound Stability - 2 hr 15 min @ 230° F (Pass-Fail)		D 5147	Pass "no failures showing signs of flowing, dripping, or drop formation"	Pass	
	Granule Loss		D 4977/5147	2 g (0.07 oz)	1.8 g (0.06 oz)	
	Thickness		D 5147	≥ 160 mils	160 mils	
	Bottom Coating Thickness		D 5147	≥ 30 mils	53 mils	
	Water Absorption - water by distillation		D 5147 / 95	≤ 3.2 %	0.6%	
	Moisture Content - water by distillation		D 5147 / 95	≤ 1 %	0.2%	
	Ultimate Elongation at 73.4°F (-18°C)		D 6222	≥ 30 %	53%	62%
	Elongation at Peak Load @ 0° F		D 5147	≥ 10 %	12%	10%
	Elongation at Peak Load @ 74.4° F	Unconditioned	D 5147	≥ 23 %	51%	59%
		90-Day Heat Conditioned	D 5147 / 5869	≥ 23 %	41%	32%
Installation	Dimensional Stability - 24 hr @ 176° F		D 5147 / 1204	≤ 1 %	0.20%	0.10%
	Net Mass per Unit Area		D 146	≥ 85 lb/100 ft^2	97 lb/100 ft^2	

*MD = Machine Direction
**XMD = Cross-Machine Direction

Note: All data represents tested values.