

PARAGON[®] PLUS CAP

SBS MODIFIED FR FIBERGLASS CAP SHEET

Note: Malarkey Roofing Products[®] (Malarkey) Inventory SKU numbers for this product: **650**

Product Description

Product Use: 650 Paragon[®] PLUS Cap is a fire-rated (FR) mineral cap sheet manufactured to meet the needs of a high-performance, quality built-up SBS roofing system. 650 Paragon[®] PLUS Cap sheet can be applied with hot mopping asphalt, SEBS modified mopping asphalt or cold process adhesives. 650 Paragon[®] PLUS Cap is recommended for flashings, and is approved for use in Class "A" roof systems. Please consult Malarkey Technical Services for approval of roof systems.

Composition and Materials: 650 Paragon[®] PLUS Cap is manufactured on a non-woven fiberglass mat with a glass scrim, impregnated and coated with a high quality SBS modified asphalt saturant that is stabilized with fire-retardant compounds. 650 Paragon[®] PLUS Cap is surfaced with ceramic granules for ultraviolet protection and superior weatherability.

Technical Data

SPECIFICATIONS	PROPERTIES
Weight, Pounds per roll	75 lbs (34 kg)
Dimensions	39 $\frac{3}{8}$ " wide x 26' long (1 M wide x 7.9 M long)
Square feet per roll	75
Thickness, mils	140 mils
Approved for use in systems by FM Approvals and Intertek/WHI. Contact technical services for approved system details. 0.75 square roll Meets the requirements of ASTM D6163, Type II, Grade G for modified bitumen sheet materials using glass fiber reinforcement.	

Application

Application Procedure: 650 Paragon[®] PLUS Cap shall be applied as specified. Roof decks should be sound, dry, smooth, meet necessary local requirements, and provide positive drainage. Do not apply wet cap sheets. See Malarkey Specification Manual for specific installation instructions. Contact Malarkey's Technical Department for details.

Storage and Handling: 650 Paragon[®] PLUS Cap should be stored in a cool, dry area, protected from the weather prior to application, as well as during time of application. Store on end on a flat dry surface. Make sure not to damage roll edges, as this may make installation difficult.

Technical Assistance: Malarkey has technical services assistance available. Contact Malarkey for details at (800) 545-1191 or (503) 283-1191, weekdays 7:00 am to 5:00 pm Pacific Time.

Warranty

Malarkey Roofing Products[®] offers various warranties to meet specific requirements. The warranty package for 650 Paragon[®] PLUS Cap includes 5, 10, 15, 20, 25, and 30-year limited and unlimited coverage. Contact your roofer, local distribution center or Malarkey for full details.

650 Paragon[®] PLUS Cap is approved for use in systems by Intertek/WHI. Contact technical services for approved system details.

650 Paragon[®] PLUS Cap sheet meets the requirements of ASTM D6163, Type 1, Grade G for modified bitumen sheet materials using glass fiber reinforcement.

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Physical Properties	ASTM Test Method	ASTM D6163 Standard Type I G	Paragon [®] PLUS Cap
			Typical Results
Peak Load at 0°F (-18°C) as manufactured	D5147	150 lbf/in (26.25 kN/m)	155 lbf/in (27 kN/m)
Peak Load at 0°F (-18°C) after heat conditioning	D5147	150 lbf/in (26.25 kN/m)	155 lbf/in (27 kN/m)
Elongation at 0°F (-18°C) as manufactured	D5147	2%	3%
Elongation at 0°F (-18°C) after heat conditioning	D5147	2%	3%
Peak Load at 73.4°F (23°C) as manufactured	D5147	80 lbf/in (14 kN/m)	105 lbf/in (18.3 kN/m)
Peak Load at 73.4°F (23°C) after heat conditioning	D5147	80 lbf/in (14 kN/m)	105 lbf/in (18.3 kN/m)
Elongation at 73.4°F (23°C) as manufactured	D5147	4%	4%
Elongation at 73.4°F (23°C) After Heat Conditioning	D5147	4%	4%
Ultimate Elongation at 73.4 F (23°C) as manufactured	D5147	40%	45%
Ultimate Elongation at 73.4°F (23°C) after heat conditioning	D5147	20%	30%
Tear Strength at 73.4°F (23 C)	D5147	110 lbf (489 N) min.	120 lbf (530 N)
Low temperature flexibility, max.	D5147	0 F (-18°C)	Pass
Dimensional Stability at 215°F (102°C)	D5147	0.5% max	0.1%
Compound Stability at 102°C	D5147	No failures	Pass
Granule Embedment, g, (max)	D4977	2 g	0.7 g