



TECHNICAL DETAILS

WEIGHT 100 lbs. 45.4 kg	ROLL SIZE 1 square roll
WIDTH 39 ³ / ₈ " 1 m	LENGTH 33' 10.1 m
THICKNESS 150 mils nominal	GRANULE ADHESION 0.4 g Typical Results
ROLLS/PALLET 20 from OR/CA/OK	TOTAL AREA PER ROLL 108.3 sq. ft. 10.1 m ²

**PREMIUM
SBS POLYMER MODIFIED
GRANULE-SURFACED
FIBERGLASS/POLYESTER
SCRIM CAP SHEET**



TEST COMPLIANCE

ASTM D6162 Type II, Grade G	ASTM E108 Class A Fire Rating
	

FEATURES & BENEFITS

- Made with premium SBS polymer modified asphalt
- Can be used in flashing assemblies
- Fire retardant

COMPATIBLE ADHESIVES



PRODUCT USE

660 Paragon® DUO Cap is a fire-rated mineral cap sheet manufactured to meet the needs of a high-performance, built-up polymer modified roofing system. 660 Paragon® DUO Cap sheet can be applied with hot mopping asphalt, SEBS mopping asphalt, or cold process adhesives. 660 Paragon® DUO Cap is also recommended for flashing assemblies and is approved for use in many Malarkey fire-rated SBS roof systems. Please consult Malarkey's Technical Services Department for approval of roof systems.

COMPOSITION & MATERIALS

660 Paragon® DUO Cap is manufactured on a non-woven fiberglass mat with a polyester scrim, and impregnated and coated with a high quality SBS polymer modified asphalt saturant stabilized with fire-retardant compounds. 660 Paragon® DUO Cap is surfaced with ceramic granules for ultraviolet protection and superior weatherability. The topside edge of the sheet has a 4" (102 mm) selvage for lap joint seams.

APPLICATION/INSTALLATION

660 Paragon® DUO 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, or contact our Technical Services Department for details.

STORAGE & HANDLING

660 Paragon® DUO Cap should be stored in a cool, dry area, and protected from the weather prior to, and during application. Store on end on a flat, dry surface. Make sure not to damage roll edges, as this may make installation difficult.

WARRANTY

Malarkey Roofing Products® offers various warranties to meet specific requirements. The warranty packages available for systems using 660 Paragon® DUO Cap include 5, 10, 15, 20, 25, and 30-year limited and unlimited coverage. Contact your roofer, local distribution center, or Malarkey for full details. See below for TECHNICAL ASSISTANCE contact information.

660 Paragon® DUO CAP and other Malarkey products are available throughout North America and Pacific Rim countries.

Visit WWW.MALARKEYROOFING.COM for additional product information and availability.

Note: Malarkey Roofing Products® (Malarkey) inventory SKU number for this product: 660 Paragon® DUO Cap

TECHNICAL ASSISTANCE:

Malarkey has technical services assistance available. Contact Malarkey for details: Call weekdays 7:00 am to 5:00 pm PST, at 800.545.1191 or 503.283.1191. technicalinquiries@malarkeyroofing.com

CORPORATE OFFICE:

3131 N. Columbia Blvd. Telephone: 503.283.1191
Portland, OR 97217-7472 or 800.545.1191
P.O. Box 17217 Fax: 503.289.7644
Portland, OR 97217-0217

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Supersedes all previously published data
Check for most current version on our website.



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SBS POLYMER MODIFIED
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SCRIM CAP SHEET**

PHYSICAL PROPERTIES	ASTM TEST METHOD	ASTM D6162 STANDARD TYPE II G	PARAGON [®] DUO CAP TYPICAL RESULTS
Peak Load at 0°F (-18°C) as manufactured	D5147	125 lbf/in (21.9 kN/m) min	130 lbf/in (22.8 kN/m)
Peak Load at 0°F (-18°C) after heat conditioning	D5147	125 lbf/in (21.9 kN/m) min	130 lbf/in (22.8 kN/m)
Elongation at 0°F (-18°C) as manufactured	D5147	2% min	6%
Elongation at 0°F (-18°C) after heat conditioning	D5147	2% min	6%
Peak Load at 73.4°F (23°C) as manufactured	D5147	80 lbf/in (14 kN/m) min	85 lbf/in (14.8 kN/m)
Peak Load at 73.4°F (23°C) after heat conditioning	D5147	80 lbf/in (14 kN/m) min	85 lbf/in (14.8 kN/m)
Elongation at 73.4°F (23°C) as manufactured	D5147	4% min	14%
Elongation at 73.4°F (23°C) after heat conditioning	D5147	4% min	14%
Ultimate Elongation at 73.4°F (23°C) as manufactured	D5147	75% min	80%
Ultimate Elongation at 73.4°F (23°C) after heat conditioning	D5147	30% min	30%
Tear Strength at 73.4°F (23°C)	D5147	90 lbf (400 N) min	95 lbf (420 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 107°C	D5147	No failures	Pass
Granule Embedment, g, (max)	D4977	2 g	0.4 g
Cyclic Fatigue	D5840	Pass	Pass

Used in conjunction with many of Malarkey's ASTM D6162 or D6163 base sheets, Paragon[®] Duo Cap meets ASTM D5849 as manufactured and after heat conditioning.

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