



TECHNICAL PRODUCT DATA SHEET

## APP TORCHABLE CAP SHEET

160

### PRODUCT DESCRIPTION

**Product Use:** Malarkey Roofing Products™ (Malarkey) 160 APP (Atactic Polypropylene) roofing membrane is suitable for use as a base, interply or smooth surface cap sheet applied using torching procedure. It requires an approved coating when used as a cap sheet. This high performance sheet may be used over various combustible and non-combustible decks. Please consult Malarkey Roofing Products for approval of roof systems.

**Precautions:** 160 APP roofing membranes require dry storage and protection from the weather. Do not apply wet cap membrane. Roof decks should be sound, dry, smooth, meet necessary local requirements and provide positive drainage.

**Composition and Materials:** 160 APP has been specially compounded with high-quality asphalt and APP modifier and is reinforced with a rugged polyester mat.

**Application Standards:** Approval for use on all fire-rated roofs when coated with an approved surfacing and appropriate underlaying sheets or insulations. Installation may be made using a simple propane torch, knife and trowel over any acceptable roof substrate. Please consult the Malarkey APP manual.

### TECHNICAL DATA

Typical average properties, 1 square roll:

Nominal Weight Per Roll	90 lbs. (40.9 kg)
Dimensions	39-3/8" wide x 32' 8" long (1 m wide x 10 m long)
Thickness:	4 mm
Softening Point:	150° C (302° F)
Flexibility:	Pass @ -15° C
Breaking Strength @ 77° F (25° C)	MD: 100 lbs.*F/in. XM: 70 lbs.*F/in.
Elongation @ Break @ 77° F (25° C)	MD: 50% XM: 55%

The above results per ASTM D 5147-97 and ASTM D 6222. Listed by WH & UL.

### APPLICATION PROCEDURES

Start at the low point of the roof deck, completely unroll 160 APP and set. Re-roll both ends to the middle perpendicular to the slope and install to the initial alignment set. Apply flame to the bottom surface of coiled roll, moving heat source from side to side and unrolling slowly as a sheen develops. There should be a 1/4" to 3/8" bleedout of the melted membrane backing adhesive at all laps. Smoke is an indication of overheating. Repeat procedure with subsequent rolls, maintaining 3" side laps and 6" end laps. All laps should be top rolled using approximately 6" roller applying pressure over the laps immediately after heat weld is completed.

### WARRANTIES

Malarkey offers various warranties to meet specific requirements. The warranty package includes 5, 10, and 12-year limited and unlimited coverage. Contact Malarkey for full details or other potential warranty options.

### TECHNICAL SERVICES

Malarkey has technical assistance available for all phases and requirements of built-up roof coverings. Contact Malarkey for details at (800) 545-1191 or (503) 283-1191, weekdays 7:00 a.m. to 5:00 p.m. Pacific Time.

### AVAILABILITY

Malarkey 160 APP is available throughout North America and Pacific Rim countries. Visit [www.MalarkeyRoofing.com](http://www.MalarkeyRoofing.com) for additional product information and availability.

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For most current version, go to [www.MalarkeyRoofing.com](http://www.MalarkeyRoofing.com)