

TECHNICAL PRODUCT DATA SHEET

161 APP TORCHABLE FR CAP SHEET

PRODUCT DESCRIPTION

Product Use: Malarkey Roofing Products™ (Malarkey) 161 APP (Atactic Polypropylene) roofing membrane is suitable for use as a fire rated (FR) mineral surface cap sheet applied using a torching procedure. This high performance cap sheet may be used over various combustible and non-combustible decks. Please consult Malarkey for approved roof systems.

Precautions: 161 APP roofing membranes require dry storage and protection from the weather. Do not apply wet membrane. Roof decks should be sound, dry, smooth, meet necessary local requirements and provide positive drainage.

Composition and Materials: 161 APP has been specially compounded with high-quality asphalt and APP modifier and is reinforced with a rugged polyester mat.

Application Standards: Approved for use on all fire-rated roofs with 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	105 lbs. (47.7 kg)
Dimensions	39-3/8" wide x 32' 8" long (1 m wide x 10 m long)
Thickness:	4.5 mm
Softening Point	151° C (305° F)
Flexibility	Pass @ -15° C (5° F)
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%
Colors:	White, Tan

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

APPLICATION PROCEDURE

Start at the low point of the roof deck, completely unroll 161 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. Embed granules at end laps to provide a continuous black coating as a base seam weld. The membrane should not be overheated. This procedure requires some practice to be proficient.

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 of built-up roof coverings and requirements. Inspectors are available for consultations, as well as job site and final inspections. 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 161 APP is available throughout North America and Pacific Rim countries. Visit www.MalarkeyRoofing.com for additional product information and availability.

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For most current version, go to www.MalarkeyRoofing.com