



TECHNICAL PRODUCT DATA SHEET

APP TORCHABLE BASE SHEET

159

PRODUCT DESCRIPTION

Product Use: Malarkey Roofing Products™ (Malarkey) 159 APP (Atactic Polypropylene) roofing membrane is suitable for use as a smooth surface base/interply sheet applied using torching procedure. It requires an approved cap sheet membrane. This high performance base sheet may be used over various combustible and non-combustible decks. Please consult Malarkey for approval roof systems.

Precautions: 159 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: 159 APP has been specially compounded with high-quality asphalt and APP modifier and is reinforced with a rugged fiberglass mat.

Application Standards: Approval for use on all applicable 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. Contact Malarkey for additional information.

TECHNICAL DATA

Typical average properties, 2 square roll:

Nominal Weight Per Roll	90 lbs. (40.9 kg)
Dimensions	39-3/8" wide x 65.3' long (1 m wide x 19.91 m long)
Thickness	2 mm
Softening Point	150° C (302° F)
Flexibility	Pass @ -15° C
Breaking Strength @ 77° F	MD: 75 lbs.*F/in. XM: 60 lbs.*F/in.
Elongation @ Break @ 77° F	MD: 3% XM: 3%

Results per ASTM D 5147-97, ASTM D 6509 type I. Listed by UL & WH.

APPLICATION PROCEDURES

Start at the low point of the roof deck, completely unroll 159 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 details or additional 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 159 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