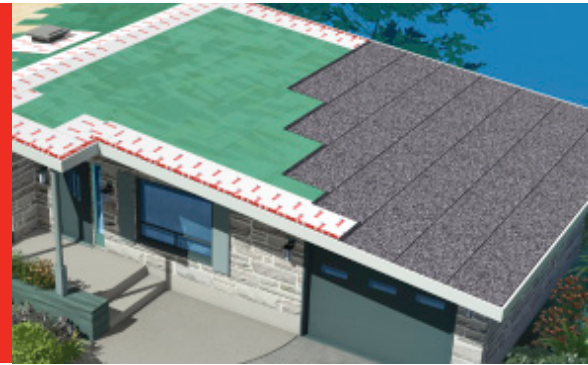


SA SMOOTH PLY 40

BASE PLY MEMBRANE



Self-adhesive base sheet membrane used in the sealing of single-ply or two-ply roofing systems.

- Anti-slip
- Self-sealing
- Excellent resistance to temperature variations

PRODUCT PURPOSE

| | | |
|----------------|---------------|-----------------|
| Application | Waterproofing | |
| Building Part | Roofing | |
| Types of slope | Low slope | Very low slope |
| Substrates | Plywood | OSB |
| | Cement | Asphaltic panel |

PRODUCT CHARACTERISTICS

| | |
|----------------------|--|
| Technology | SBS modified bitumen |
| Surface | Trilaminare woven polyethylene |
| Underface | Two parts silicone release film (split-back) |
| Installation Method | Self-adhesive |
| Service temperatures | -40 °C to 90 °C (-40 ° to 194 °F) |
| Maximum exposure | 90 days |

PACKAGING

| Code | Width | | Length | | Thickness | | Net Area | | Brute Area | | Units (per pallet) |
|-------|-------|----|--------|----|-----------|-----|----------------|-----------------|----------------|-----------------|--------------------|
| | m | in | m | ft | mm | mil | m ² | ft ² | m ² | ft ² | |
| 10167 | 1 | 39 | 20 | 65 | 1 | 40 | 18 | 194 | 20 | 215 | 25 |




PROPERTIES

| Properties | STANDARDS | SA SMOOTH PLY 40 |
|--|------------------------|--|
| Tensile strength, MD/XD | ASTM D5147 | 9.5/13 kN/m (54/74 lbf/in) |
| Ultimate elongation, MD/XD | ASTM D5147 | 33 / 25% |
| Tear resistance, MD/XD | ASTM D1970 | 423/458 kN/m (95/103 lbf) |
| Static puncture | ASTM D5602 | 400 N (90 lbf) |
| Adhesion to plywood at 4.5 °C (40 °F) | ASTM D1970 | 500 N/m (34.3 lbf/ft) |
| Adhesion to plywood at 24 °C (75 °F) | ASTM D1970 | 1100 N/m (75.4 lbf/ft) |
| Low temperature flexibility at -30 °C (-22 °F) | ASTM D1970 | Pass |
| Water vapour permeance | ASTM E96 (Procedure B) | < 1.7 ng/Pa•s•m ² (0.03 perm) |
| Nail sealability | ASTM D1970 | Pass |

(All values are nominal)

SA SMOOTH PLY 40

INSTALLATION

| | | | |
|---------------------------------|---|--|--------------|
| Storage | The rolls should be stored upright. If the products are stored outdoors, cover them with an opaque protective cover after removing the delivery packaging. Can withstand frost, but must be reactivated for 24 hours to at least 4.5 °C (39 °F) prior to installation. | | |
| Minimum Application Temperature | 4.5 °C (39 °F) | | |
| Complementary Products | EXTERIOR PRIMER | OR H ₂ O PRIMER | |
| Tools Required |  Knife |  | Tape measure |
| |  Smoothing roller | | |
| Surface Preparation | The substrate must be clean, dry and free of dust, grease or other contaminants. | | |
| Installation | <ol style="list-style-type: none"> 1. If conditions require, prepare the substrate with EXTERIOR PRIMER or H₂O PRIMER. 2. Position the membrane parallel to the edge of the roof, leaving about 8 cm (3 in) beyond the front where the gutter will be installed. If the gutter is in place, install the membrane from the roof edge. 3. Remove the protective film on the back in a length of about 30 to 40 cm (12 to 16 in) and fold the protective film 45 degrees on each side. Adhere the exposed portion to the support. 4. While applying pressure to the other end of the membrane, gradually remove the protective film using a scrubbing brush (or other accessory), press the membrane firmly to the support while continuing to remove the protective film. First press the membrane in the center, and then to each side. 5. Apply further pressure on the membrane using a heavy roller to ensure adhesion between the support and the membrane avoiding formation of bulges, folds or gaps. <p>Note: The transverse overlap should be 150 mm (6 in) and have a longitudinal overlap of 75 mm (3 in). Refer to ROOF SYSTEM INSTALLATION for waterproofing membrane installation to roof details and upstands.</p> | | |
| Recommendations/ Limitations | It is not recommended to use a product containing bitumen directly on softwood boards or flexible polyvinyl chloride. | | |

