

Tremco SA Underlayment

Self-Adhesive Roofing Underlayment



FEATURES

- Synthetics does not support mold growth
- Excellent weather withstanding capabilities
- Self sealing compound to ensure nail sealing
- High temperature resistance up to 225° F
- Bitumen seam locks at the edges for total watertightness
- Enhanced adhesion with new super tack self-adhesive compounding technology

BENEFITS

- Temporary protection from elements until roof is installed
- Protection of your building should there be wind damage
- Provides a textured walkable surface for contractors
- Can be left exposed for up to 180 days

DESCRIPTION AND USE

Tremco SA is a self-adhesive underlayment used as a secondary water barrier under metal & asphalt shingles. It consists of a highly versatile bitumen compound with enhanced adhesion which helps it to stick to most surfaces like plywood, OSB, concrete, wood particle and gypsum cover boards. It's surfaced with a tough woven polymer laminate surface which gives it excellent walkability. The adhesive compound and the tough surface together acts to provide excellent high temperature resistance which enables long exposures to weathering.

ROLL SPECIFICATION

Color:	Grey
Surface film:	Polypropylene woven mat
Release film :	Silicon coated split release
Length:	67 feet (20.42 m)
Width:	36 inches (0.91 m)
Gross area covered:	2 squares
Weight / square:	23 lbs (10.4 kg)
Rolls per pallet:	30 rolls
Pallet weight:	1576 lbs (714.8 kg)



PHYSICAL PERFORMANCE

Physical Properties	Test Method	Typical Value
Nominal Thickness	ASTM D 5147	40 mil (1 mm)
Tensile strength (lbf/inch)	ASTM D 1970	(MD/CD) 80/60 (14/10.5 kN/m)
Tear Resistance (Lbf)	ASTM D 1970	(MD/CD) 60/40 (267/178 kN/m)
Elongation (%)	ASTM D 1970	(MD/CD) 70/60
Adhesion to Plywood (Lbf)	ASTM D 903	5@40F, 12@75F
Nail sealability	ASTM D 1970	Pass
Thermal Stability	ASTM D 1970	Pass
Low Temp Flexibility	ICC AC 48	Pass
Water Permeance (PERMS)	ASTM E 96	0.03

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INSTALLATION

Check the local building codes also for adequate guidance on the application. In all instances, the local building codes will take precedence and ambiguity in application methodology should be clarified with the Tremco technical team.

The state of Florida requires the underlayment to be installed in accordance with the provisions of Sections 1507 and 1518 of the FBC.

Application temperature - above 40° F and below 110° F

SURFACE PREPARATION

- Application should only be carried out in dry weather.
- Primer is not required if the substrate is free of dust, oil or other debris
- Tremco SA can be applied on metals, plywood, OSB, FRT plywood and insulation boards
- If applying to gypsum coverboards, priming with Tremprime QD LO/Tremprime LV is required.
- Remove existing layers if the application is on old roof. All damaged or rotted deck boards should be replaced.

INSTALLATION

- Unroll the Tremco SA and cut suitable workable lengths
- Let the pieces ease for 3-5 minutes to relieve it of stresses during rolling
- Start at the lowest point of the roof wherever possible with lower edge of Tremco SA flush with the outside of the primed edge. Ensure that the selvedge is on the top side to maintain watertightness.
- Fold the membrane half way and peel off the release film. Stick the bare sheet firmly on to the substrate by applying pressure. Once completed release the other half and stick the membrane firmly to the substrate.
- An over lap of 3 inches should be maintained for all subsequent layers being applied.
- Peel off the silicon release film from the selvedge before laying the second layer. This will ensure a proper compound to compound bond which will ensure watertightness.
- Its advisable to install the roof coverings over the underlays as early as possible.

GENERAL PRECAUTIONS

- Do not apply on wet surfaces or damp surfaces.
- The membrane should be applied by a professional Roofer who has prior experience.
- Ensure that the applied Tremco SA surface is free of wrinkles or folds before application of Roofing material
- Remove release films from the roof immediately after application as it can be slippery if left around the roof.
- Adhesive strength reduces drastically when applied at low temperatures. When applied above 100°F, it can get difficult to remove the release film and therefore its advised to keep the membrane in a shaded area until the product is cool. The release film will be easier to remove once the product is cooler.
- The membrane should be patched with a smaller piece cut from the same membrane if a fastener is removed. The membrane will not self heal such openings.
- Tremco SA is a vapor and moisture barrier and therefore the spaces under the roof deck should be properly ventilated.
- All necessary precautions should be taken while working on Tremco SA. Necessary safety equipment and fall prevention steps should be used to avoid any fall injuries.

STORAGE

Tremco SA membranes must be stored indoors in a shaded area on wooden pallets neatly covered by a thick fabric and tied securely in a manner that will minimize exposure to sunlight & UV. The membrane shall be protected from all sources of heat. The shelf life is 12 months if stored as per recommendations. Excessive exposure to sunlight, UV and other sources of heat will result in considerable deterioration of the product and reduce its shelf life.



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