



Advanced Composite Technology



AC Storm & Starter Seal

Granular Surfaced Self Adhesive Underlayment with Shingle Starter Course

ROOFING

KEY PROPERTIES

- UV Protected Surface
- Seals Around Nails
- Seal Down Strip
- Reinforced with Fiberglass Mat
- Aggressive Bond at Low Temperatures
- Repositionable

DESCRIPTION

AC Storm and StarterSeal is a self adhesive composite underlayment. The adhesive layer is composed of a proprietary modified asphalt, reinforced with a extra heavy fiberglass mat. The surfacing of opaque granules provides excellent traction and protection from UV radiation and weathering. The asphalt tack line prevents shingle uplift. The self adhesive layer is covered with a release sheet which is removed during installation.

AC Storm and StarterSeal underlayment is 80 mils (2mm) thick and is supplied in rolls of one square (3' x 50') (0.9m x 15.2m). AC Storm and StarterSeal is self adhesive and cold applied. No special adhesives, heat or equipment are necessary to install AC Storm and StarterSeal.

USES

AC Storm and StarterSeal is an excellent underlayment for shingle, slate, concrete or tile roofs. AC Storm and StarterSeal prevents moisture entry into structures by sealing uniformly to the deck and around nail penetrations. AC Storm and StarterSeal protects residential and commercial buildings from damage due to ice dams and wind driven rain.

APPLICATION

• The deck must be clean, dry and free from loose materials and contaminants. AC Storm and StarterSeal should be installed when ambient and substrate temperatures are 40°F (4.4°C) or higher. Place metal drip edge or wood starter shingles over AC Storm and StarterSeal.

• Cut AC Storm and StarterSeal to manageable lengths, typically 10'-12' (0.2m-0.3m). Align membrane parallel to the roof eave, with the tack line closest to the eave, extending over the eave by 1/4" (6mm). On steep slope roofing applications, it may be necessary to spot nail the top edge of the membrane temporarily during the installation process.

• Fold the membrane away from the edge onto itself. Remove the lower half of the release sheet, starting at the middle of the membrane to the edge. Replace the membrane with the exposed rubberized asphalt onto the deck, pressing firmly into place. Remove any nails along the top edge. Fold top half of the membrane toward the roof edge over itself. Remove the other half of the release sheet and reposition the membrane pressing firmly into place. If any wrinkles or fishmouths appear, realign composite. DO NOT press them down as they will only reappear later.

• Check local building codes to see if further protection is needed. It is recommended that you install AC Storm and StarterSeal at least 2' (0.6m) up past the junction of the roof and the outer most wall. Invert the next course so that the tack line is at the top of the membrane. Overlap lower courses at least 3" (75mm) and end laps at least 6" (150mm).

• Smooth shank galvanized nails are recommended for fastening shingles. Do not over drive nails.

• Do not leave AC Storm and StarterSeal permanently exposed. Maximum exposure time is 30 days.

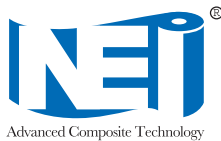
TECHNICAL DATA
AC STORM AND STARTERSEAL

PROPERTY	TEST METHOD	NOMINAL VALUE
Tensile Strength	ASTM D 412	48 lb/in (872 psi) MD 35 lb/in (636 psi) CD
Tear Resistance	ASTM D 4073	20 lb/in (363 psi) MD 20 lb/in (363 psi) CD
Elongation to Break	ASTM D412	320%
Pliability, 180 °, 1" mandrel -25°F (-4°C)	ASTM D 146	Pass
Puncture Resistance	ASTM E 154	50 lbs
Permeance	ASTM E 96B	0.05 perms (max)

**SAFETY, STORAGE
AND HANDLING**

Pallets of AC Storm and StarterSeal shall not be double stacked on the job site. Provide cover on top and sides, allowing for adequate ventilation.

Consult Material Data Safety Sheet for best available information on the safe handling, storage, personal protection, health and environmental considerations.



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