



Advanced Composite Technology

AC GRANULAR[®] Ice and StormSeal

Granular Surfaced Self Adhesive Underlayment

KEY PROPERTIES

- UV Protected Surface
- Seals Around Nails
- High Temperature Stability
- Reinforced with Fiberglass Mat
- Aggressive Bond at Low Temperatures
- Repositionable

DESCRIPTION

AC GRANULAR[™] Ice and StormSeal is a self adhesive composite underlayment. The adhesive layer is composed of a proprietary modified asphalt, reinforced with an extra heavy fiberglass mat. The surfacing of opaque granules provides excellent traction and protection from UV radiation and weathering. The self adhesive layer is covered with a release sheet which is removed during installation.

AC GRANULAR Ice and StormSeal composite is 55 mils (1.4mm) thick and is supplied in rolls of one square (3' x 33.3') (0.9m x 10m) and two square (3' x 66.6') (0.9m x 20m). AC GRANULAR Ice and StormSeal is self adhesive and cold-applied. No special adhesives, heat or equipment are necessary to install AC GRANULAR Ice and StormSeal.

USES

AC GRANULAR Ice and StormSeal is an excellent underlayment for shingle, slate, concrete or tile roofs.

AC GRANULAR Ice and StormSeal prevents moisture entry into structures by sealing uniformly to the deck and around nail penetrations. AC GRANULAR Ice and StormSeal protects residential and commercial buildings from damage due to ice dams or wind driven rain.

APPLICATION

- AC GRANULAR must be applied when ambient and substrate temperatures are 40°F (4°C) or higher. AC GRANULAR Ice and StormSeal must be installed directly to the structural deck. Remove all dirt, dust, loose nails and debris. Place metal drip edge or wood starter shingles over AC GRANULAR Ice and StormSeal.
- Cut AC GRANULAR Ice and StormSeal to manageable lengths, typically 10'-12'. Align the membrane parallel to the roof edge, extending over by 1/4". On steep slope 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 nails along the top edge. Fold the top half of the membrane toward the roof edge over itself. Remove the release sheet and reposition the membrane pressing firmly into place. Repeat process as needed. Overlap additional courses at least 3" (75mm) and end laps at least 6" (150mm).
- Smooth shank galvanized nails are recommended for fastening shingles. Do not overdrive nails. Maximum Exposure time is 30 days.



Advanced Composite Technology

**TECHNICAL DATA
AC GRANULAR ICE AND STORMSEAL™**

PROPERTY	TEST METHOD	MINIMUM VALUE
Tensile Strength	ASTM D 412	62 lb/in (1127 psi) MD 47 lb/in (854 psi) CD
Tensile Strength, UV aging	ASTM D 412	73 lb/in (1327 psi) MD 52 lb/in (945 psi) CD
Tensile Strength, Weathered	ASTM D 412	65 lb/in (1181 psi) MD 64 lb/in (1163 psi) CD
Water Vapor Transmission	ASTM E 96	0.019 g/hr/sq.m. (max)
Pliability, 14°F (-10°C), 1/8" 90° bend	ASTM D 146	Pass
Peel Adhesion	ASTM C 794	19 lb/in
Peel Adhesion 7 day water	ASTM C 794	13 lb/in
Peel Adhesion 210 hrs UV	ASTM C 794	11 lb/in
Cycle over Crack -20°F (-29°C)	ASTM C 836	Pass

**STANDARDS AND
CODE LISTINGS**

- Underwriters Laboratories Class A and Class C Fire Rating
- ASTM D 1970 Standard Ice Dam Underlayment
- ICBO Report No. 4991
- Uniform Building Code Nos. 32B-1, 32B-2, 32D-1 and 31D-2

**SAFETY, STORAGE
AND HANDLING**

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

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



50 Pine Road, Brentwood, NH 03833
1-800-998-4634 FAX: 603-778-7455 e-mail: nei@nei-act.com

AC GRANULAR™ Ice and StormSeal is a registered trademark of Northern Elastomeric, Inc., 50 Pine Road, Brentwood, NH 03833. The data and information contained herein, is considered to be true and accurate and is offered for the user's consideration, investigation and verification. NEI does not warrant the results to be obtained.