

## GRACE BASIK®

### Self-adhered roofing underlayment

#### General Roof Leak Protection

Grace Basik® granular surfaced self-adhered roofing underlayment helps protect sloped roofs from the effects of wind-driven rain and ice dams. Grace Basik is appropriate for use in all wind-driven rain applications and for ice dams where code based standards of protection are sufficient.

The membrane has a UL Class A fire classification for use under fiberglass shingles and Class C under organic felt shingles.

Grace Basik is part of the Grace family of roofing underlayments available only from Grace Construction Products.

#### Product Description

Grace Basik is an economical, easy-to-apply roofing underlayment suitable for—

- Protection from ice dams in moderate climates
- Protection from wind-driven rain or strong storms

#### Product Advantages

- Easy to handle and apply
- Economical
- Slip resistant surface
- Repositionable
- Split release on demand

- Application as a vapor barrier
- Application as a temporary roof

The rubberized asphalt adhesive is backed by a plastic split release liner that protects its adhesive quality. The release liner is easily removed during membrane application allowing the rubberized asphalt to bond to the roof deck. Grace Basik is 60 mils (1.5 mm) thick and is available in a 150 ft<sup>2</sup> (13.9 m<sup>2</sup>) roll with dimensions of 36 in. x 50 ft (914 mm x 15.2 m).

#### Guidelines for Use

Grace Basik can be used as a sloped roof underlayment to resist water penetration due to wind-driven rain and ice dams. It is designed to meet code based minimum standards of performance.

#### Wind-Driven Rain

Sloped roofs protect structures by shedding water but they are not waterproof. Storm-driven winds can cause sloped roof coverings to lift. Rain can be easily driven under the roof covering directly to the unprotected deck



where it causes leaks and damage to the interior of the structure. Grace Basik, applied beneath the sloped roof covering, helps prevent wind-driven rain from entering the structure. For wind-driven rain protection, full coverage with Grace Basik is recommended. Since this product is a vapor barrier, the roof construction must allow for proper insulation and ventilation in full roof coverage applications.

### Ice Dams

For ice dam protection, Grace Basik should be adhered at the edge of the roof deck along the eaves. The membrane should be applied to a point on the roof deck above the highest expected ice dam. Several variables influence the height of ice dams and the membrane coverage required. Local building codes should be consulted for specific requirements. Many variables influence the height of ice dams including climate (particularly the annual snowfall), slope, overhang, valleys, how well the structure is insulated and ventilated, and exposure (sun vs. shade). In addition to placement along the eaves, Grace Basik can be used to help prevent roof leaks in a handful of danger zones including valleys, rake edges, around chimneys, and skylights.

## Installation Procedure

### Surface Preparation

Install Grace Basik directly on a clean, dry, continuous structural deck. Some suitable deck materials include plywood, wood composition, wood plank, metal, concrete, or gypsum sheathing. Remove dust, dirt, loose nails, and old roofing materials. Protrusions from the deck area must be removed. Decks shall have no voids, damaged, or unsupported areas. Repair deck areas before installing the membrane.

Prime concrete, masonry surfaces and DensGlass Gold® with Perm-A-Barrier® WB Primer. Prime wood composition and gypsum sheathing with Perm-A-Barrier WB Primer if adhesion is found to be marginal (refer to Technical Letter 12, *Use on Oriented Strand Board (OSB) Roof Sheathing*). Apply Perm-A-Barrier WB Primer at a rate of 250–350 ft<sup>2</sup>/gal (6–8 m<sup>2</sup>/L). Priming is not required for other suitable surfaces provided that they are clean and dry.

### Membrane Installation

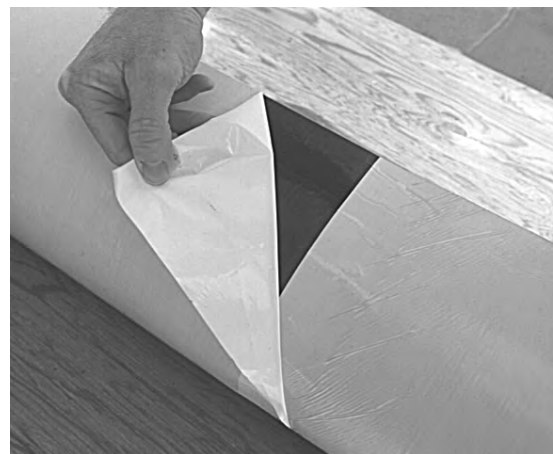
Apply in fair weather when the air, roof deck, and membrane are at temperatures of 40°F (5°C) or higher. Apply roof covering material at temperatures of 40°F (5°C) or higher.

Cut the membrane into 10–15 ft (3–5 m) lengths and reroll loosely. Peel back 1–2 ft (300–600 mm) of release liner, align the membrane, and continue to peel the release liner from the membrane. Press the membrane in place with heavy hand pressure. Side laps must be a minimum of 3.5 in. (90 mm) and end laps a minimum of 6 in. (150 mm). For valley and ridge application, peel the release liner, center the sheet over the valley or ridge, drape, and press it in place. Work from the center of the valley or ridge outward in each direction and start at the low point and work up the roof.

Consistent with good roofing practice, install the membrane such that all laps shed water. Always work from the low point to the high point of the roof. Apply the membrane in valleys before the membrane is applied to the eaves. Following placement along the eaves, continue application of the membrane up the roof.

Use smooth shank, electroplated galvanized nails for fastening shingles. Hand nailing generally provides a better seal than power-activated nailing. If nailing of the membrane is necessary on steep slopes during hot or extreme cold weather, backnail and cover the nails by overlapping with the next sheet.

Extend the membrane on the roof deck above the highest expected level of water back-up from ice dams and above the highest expected level of snow and ice on the wall sheathing on vertical side walls (dormers) and vertical front walls for ice dam protection. Place metal drip edges or wood starter shingles over the membrane.



Grace Basik utilizes a plastic split release liner that is easily removed during membrane application.

## Precautions & Limitations

- Slippery when wet or covered by frost.
- Consistent with good roofing practice, always wear fall protection when working on a roof deck.
- Release liners are slippery. Remove from work area immediately after membrane application.
- Do not leave permanently exposed to sunlight. Maximum recommended exposure is 30 days.
- Place metal drip edges or wood starter shingles over the membrane.
- Do not fold over the roof edge unless the edge is protected by a drip edge, gutter, or other flashing material.
- Do not install on the chamfered edges of wood plank.
- Do not install directly on old roof coverings.
- Certain product applications are prohibited in hot desert areas in the southwestern United States. Check with your Grace Construction Products representative.
- Check with the manufacturer of the metal roofing system for any special requirements. Grace Basik has a granular surface and may not be appropriate directly under metal roof systems. Do not install directly under roof coverings especially sensitive to corrosion, such as zinc, without providing proper ventilation.
- Do not install under copper, Cor-Ten®, or zinc metal roofing in high altitude climates. These roofs can reach extremely high temperatures due to the low reflectivity, high absorption, and high conductivity of these metals. Use Grace Ultra for these roof types. Check with your Grace Construction Products representative.
- Provide proper roof insulation and ventilation to help reduce ice dams and to minimize condensation. Grace Basik is a vapor barrier.
- Repair holes, fishmouths, tears, and damage to the membrane with a round patch of membrane extending past the damaged area 6 in. (150 mm) in all directions. If fasteners are removed leaving holes in the membrane, they must be patched. The membrane may not self-seal open fastener penetrations.
- Do not install fasteners through the membrane over unsupported areas of the structural deck, such as over the joints between adjacent structural panels.

- Due to its slight asphaltic odor, do not apply where the membrane is exposed to interior living spaces.
- Not compatible with EPDM or TPO; use Grace Ultra for tie-ins (refer to Technical Letter 5, *Chemical Compatibility*).
- Not compatible with polysulfides, flexible PVC, or high concentrations of resin (pitch). For more information, refer to Technical Letter 5.

## Code Compliance

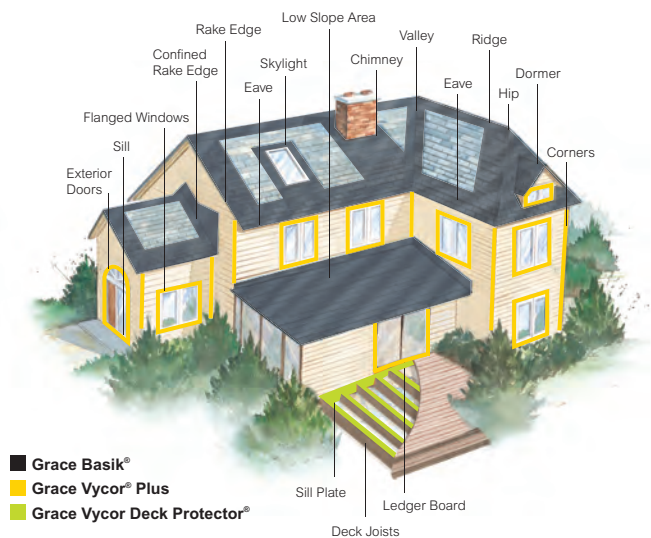
Grace Basik meets the following standards:

- Underwriters Laboratories Inc. Class A fire classification under fiberglass shingles and Class C under organic felt shingles (per ASTM E108/UL 790)
- Underwriters Laboratories Inc., Classified Sheathing Material Fire Resistance Classification with Roof Designs: P225, P227, P230, P237, P259, P508, P510, P512, P514, P701, P711, P717, P722, P723, P732, P734, P736, P742, P803, P814, P818, P824

Grace Basik approvals:

- International Conference of Building Officials (ICBO-ES) Report No. 3997
- Southern Building Code Congress International (SBCCI PST & ESI) Report No. 2214
- Florida State Approval Report No. FL6901

## Use Grace Basik on all of these critical areas



## Product Data

Roll length	50 ft (15.2 m)	65 ft (19.8 m)
Roll width	36 in. (914 mm)	36 in. (914 mm)
Roll size	150 ft <sup>2</sup> (13.9 m <sup>2</sup> )	195 ft <sup>2</sup> (18 m <sup>2</sup> )
Packaging	Corrugated cartons	Corrugated cartons
Roll weight	60 lbs (27.3 kg)	78 lbs (35.5 kg)
Rolls per pallet	25	25

## Performance Properties

Property	Value	Test Method
Surface	Granular	
Thickness, membrane	60 mil (1.5 mm)	ASTM D3767 method A
Breaking strength, membrane	25 lbs/in. (4.4 N/m) minimum	ASTM D1970
Low temperature flexibility	Unaffected @ -20°F (-29°C)	ASTM D1970
Adhesion to plywood	12 lbs/ft (175 N/m)	ASTM D1970
Permeance (max)	0.01 Perms (5.8 ng/m <sup>2</sup> s Pa)	ASTM D1970
Material weight installed (max)	0.4 lb/ft <sup>2</sup> (1.9 kg/m <sup>2</sup> )	ASTM D461

Grace Underlayments Product Selection Matrix	Waterproofing Membranes				Water-Shedding Membrane
	Grace Ultra	Grace Ice & Water Shield®	Grace Select	Grace Basik®	Grace Tri-Flex®
Desert southwest United States	●	⊗	⊗	○*	●
Under copper, zinc or Cor-Ten® in high altitude climates	●	⊗	⊗	⊗	⊗
Under architectural metal roofs	●	●	○	⊗	●
Roofing in high altitude/alpine regions	●	●	⊗	⊗	○
Premium protection from severe ice dams	●	●	⊗	⊗	⊗
As a vapor barrier	●	●	●	○	○

**Note:** When interpreting the above chart, consider that all Grace self-adhered underlayments, including Grace Ice & Water Shield, Grace Ultra, Grace Select and Grace Basik, are *waterproofing membranes*, while Grace Tri-Flex provides a premium *water-shedding* roof protection.

\* For application on wood substrates only

● Best      ○ Good      ⊗ Not Recommended

[www.graceathome.com](http://www.graceathome.com)  
[www.graceconstruction.com](http://www.graceconstruction.com)

For technical assistance call toll free at 866-333-3SBM (3726)

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Cor-Ten is a registered trademark assigned to USX Corporation.

DensGlass Gold is a registered trademark of Georgia-Pacific Corporation.

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This product may be covered by patents or patents pending.  
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