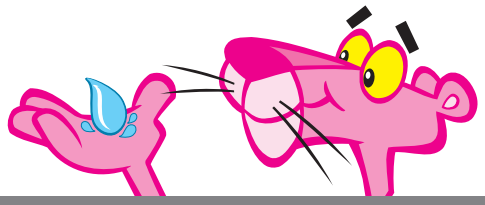
DeckSeal™

SA BASE/PLY FR (FIRE RESISTANT)
FOR RESIDENTIAL LOW SLOPE



DeckSeal SA Base/Ply FR (Fire Resistant) membranes are premium, fire resistant self-adhered elastomeric base ply roofing products. These products are manufactured using a Dual Compound Self-Adhesive technology. DeckSeal membranes are built on a high performance reinforced fiberglass mat for excellent dimensional stability. The SBS polymer modified asphalt compound on the top layer is formulated for durability and performance. An aggressive self-adhesive compound is applied on the bottom layer for strong adhesion to the prescribed substrate layer and for application friendliness. DeckSeal SA Base/Ply FR membranes have a polyolefin film with laylines printed on the top surface for simplified measuring and a split release film on the bottom surface for ease of application.

Uses

DeckSeal SA Base/Ply FR is designed to be installed on roof slopes between ¼:12 and 2:12 and is to be applied directly to exterior grade of Plywood or OSB decking. Plywood must be minimum 15/32" and OSB must be minimum 7/16" (check local codes). DeckSeal SA Base/Ply FR is intended to act as a base or inter-ply layer for a multi-ply DeckSeal System. DeckSeal SA SBS Cap FR is intended to be installed over DeckSeal SA Base/Ply FR as the weatherable surface. Applications include new construction and re-roofing. Before installing, check local codes and refer to www.owenscorning.com/roofing for system details relevant to uplift or fire resistance requirements.

Features And Benefits

- Excellent long term adhesion and handling characteristics
- No need for kettles, spray rigs, adhesive machines or torches, resulting in a clean application that helps avoid fumes, odor and smoke complaints.
- Simple project staging and portability of roof components
- Ease of repair work
- System warranties available including limited warranty* against material defects for up to 20 years.

PRODUCT DATA

Roll size (Nominal)	200 sq ft
Weight (Approx)	84 lbs
Roll Size	65'8" x 39 3/8" (20m x 1m)
Rolls/Pallet	20

Product is shipped in boxes, 1 roll per box.

Applicable Standards and Codes

UL Classified for use in class A, B or C roofs, as listed the UL "Roofing Materials and Systems Directory"

TDI Listed for Usage in Texas Coastal Regions

Product Warranty*

Owens Corning Roofing and Asphalt DeckSeal products have a manufacturer's limited warranty* for up to 20 years when used as part of an approved, multi-ply roofing system.

Technical Description

METHOD	PROPERTY	VALUE**
ASTM D5147	Thickness, nominal, mil (mm)	80 (2.0)
ASTM D5147	Elongation @ 73.4+/-3.6°F (23+/-2°C), MD and XMD, min (%)	2
ASTM D5147	Tear Strength @ 73.4+/-3.6°F (23+/-2°C), MD, min, N (lbf)	35 (156)
ASTM D1970	Adhesion to Plywood @ 40°F, min, lbf/ft width	2.0
ASTM D1970	Adhesion to Plywood @ 75°F, min, lbf/ft width	12.0

Application Instructions

Do not use Owens Corning® DeckSeal SA Base/Ply FR in a torch down application

This product is to be used under Owens Corning® DeckSeal SA SBS Cap FR.

Storage: Owens Corning® DeckSeal SA Base/Ply FR self-adhered membrane should be stored at room temperature whenever possible. Do not store out of the box for prolonged periods, or in temperatures above 90°F (32°C). Do not remove the roll from the box until it is to be installed.

Precautionary Notes: Owens Corning recommends adherence to OSHA safety regulations. DeckSeal SA Base/Ply FR is designed to be installed on roof slopes between 1/4:12 and 2:12 and is to be applied directly to an exterior grade of Plywood or OSB when used as a base sheet in a 2 ply system, or Owens Corning® DeckSeal MA NailBase when used as the second ply in a 3 ply system.

Note: When installing DeckSeal SA Base/Ply FR , existing Plywood and/or OSB must be primed with either an asphaltic primer that meets ASTM D41 or a commercially available water-based acrylic primer. New plywood and DeckSeal MA NailBase do not need to be primed.

Note: Any primed substrate must be fully dry prior to installation. Refer to manufacturer's recommendations. Plywood must be minimum 15/32" and OSB minimum 7/16". Check local codes.

- Apply only when the weather is dry and the ambient temperature is 45°F (7°C) and rising. Do not install when water in any form (i.e. rain, dew, ice, frost, snow) exists. All roof deck application areas must have positive drainage, continuous support, and be structurally sound to support the dead load requirements of the roofing system.
- Apply only over clean, dry, dust-free surfaces.
- Ensure installation of DeckSeal SA SBS Base/Ply FR does not prevent or interfere with ventilation of the existing structure.
- Failure to follow manufacturer's application instructions may void product warranty.
- Plan the job so that the DeckSeal SA SBS Base/Ply FR is covered by the DeckSeal SA SBS Cap FR the same day.

Application

Step 1. Sweep the roof surface to remove any dust, dirt, or debris prior to starting installation.

Step 2. Cut the DeckSeal SA SBS Base/Ply FR to manageable lengths. Allow the cut sheets to relax prior to installation. Failure to allow the sheets to relax may result in wrinkles in the finished surface.

Step 3. Initiate starter course:

- For a 2 ply (layer) system- The starter course will always be 1/2 of the roll width
- For a 3 ply (layer) system- The starter course will always be 1/3 of the roll width. (Cutting on one of the 12" lay lines will leave approximately 1/3 of the roll width. If using SA Base/Ply as a second layer of a 3 ply system, the starter course for that layer will be 2/3 of the roll width.
- The side lap seams of any 2 or 3 ply system layer should always be offset from the other layers .

Step 4. There are several ways to remove the release liner from the DeckSeal SA Base/Ply FR . One method is as follows: Lay the material flat on the roof aligned with the eaves edge at the lowest point on the roof.

Step 5. Fold the aligned sheet back half way exposing the release liner.

Step 6. Peel release film at a 45° angle in a constant motion, while firmly holding the half of the sheet that is in contact with the roof in place as the liner is removed.

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(Compton, Portland, Denver, Kearny, Medina, Minneapolis, Summit, Brookville)

Step 7. Use hand or foot pressure to bond that portion of the sheet to the deck.

If the split release liner remains on the opposite half of the sheet, flip the opposite half back and remove the remaining release liner. Use hand or foot pressure to bond that portion of the sheet to the deck.

Step 8. If additional pieces are needed to complete the starter course, the end lap to be overlapped must be cut at 45° angles on the top and bottom corners.

- The top corner on the piece that is overlapping the previous piece must also be cut on the top corner at a 45° angle.
- The overlap is to be 6 inches. Remove the release liner and adhere as with the previous sheet.

Step 9. Roll side laps and end laps firmly with a hand roller to ensure full adhesion.

- If necessary, hot air weld or apply modified asphalt flashing cement at 45° cuts or at end lap seams.

Step 10. As each course is completed, roll the course with an 80 pound roller. Start at the center and work outward to remove trapped air.

Step 11. When the eaves edge sections are completed, position the next course by overlapping the starter course by 3 to 4 inches.

When installing each subsequent course stagger the end laps by 36" between courses.

Step 12. One method to remove the release liner from a full sheet of DeckSeal SA Base/Ply FR is as follows:

1. Position the sheet on the 3 inch or 4 inch overlap lay line and roll the bottom of the sheet half way back to expose the split release liner.
2. Peel release film at a 45° angle in a constant motion, while firmly holding the half of the sheet that is in contact with the roof in place as the liner is removed.
3. When the release film has been removed, carefully roll the sheet back down and press into place.
4. Roll the opposite half of the sheet back and remove the release liner using the same method as in step "b".
5. Roll the sheet back down and press firmly into place.

Step 13. If additional pieces are needed to complete the course, the end lap corners are to be cut at a 45° angle as in was done in Step 9. The overlaps are to be 6".

Step 14. When the SA Base/Ply FR courses are complete roll the entire surface with an 80 pound roller.

Edge Metal Install

For 2 ply systems, the edge metal is installed directly over the base sheet. For a 3 ply system, the edge metal is installed over the second ply (layer).

1. The edge metal must be a minimum 24 gauge galvanized steel or 0.040 inch formed aluminum, primed with either an asphaltic primer that meets ASTM D41 or a commercially available water-based acrylic primer.
2. The roof flange of the edge metal should be 3 or 4 inches wide.
3. Primed edge metal must be dry to the touch before membrane application.
4. Install the roof flange of the edge metal over the base sheet at the lowest point on the roof. Nail the edge metal 4" on center in a staggered pattern.

Install a minimum 8" wide strip of self-adhered DeckSeal SA Base/Ply FR over the edge metal leaving ½" of edge metal exposed.

* See actual warranty for complete details, limitations and requirements.
** Unless specified, represent minimum values as manufactured.