

ROYAL SHIELD-SA-HT[®]

SELF ADHERED UNDERLAYMENT

INSTALLATION GUIDE

2 Square Rolls - 3 Ft. x 66.7 Ft. - 42 Lbs/Roll

Before You Install Royal Shield-SA-HT™

Ensure strapping or roof deck is fastened in accordance with local Building Code requirements and all preparatory work has been completed and is safe;

Confirm the support structure is clean, smooth and free of obstructions, that there is no bowing, warps, delamination, or separation from rafters, trusses, or support structure. Make necessary repairs to the roof deck prior to installing **Royal Shield-SA-HT™**;

For use on roof decks other than plywood, wood composition, wood plank, metal, concrete or gypsum sheathing please contact our technical team or the installer is responsible to determine acceptable substrate surface and whether priming is required so **Royal Shield-SA-HT™** will stay adhered to that substrate.

Royal Shield-SA-HT™ is intended to be a secondary layer of protection; it must be covered with primary roofing system like Concrete or Clay Tile, Asphalt Shingles or Metal Roofing;

Should you have any questions or concerns regarding the installation **Royal Shield-SA-HT™** contact your supplier or local sales representative;

Royal Shield-SA-HT™ shall be installed by qualified, experienced installers adhering to WSBC and OSHA regulations; Synthetic outside surface may become slippery due to moisture, dust, debris or other conditions, which affect the level of surface friction. Always use caution and proper safety equipment when installing **Royal Shield-SA-HT™** failure to comply with safety regulations can result in serious injury or death.

Installation Instructions:

FOR USE UNDER METAL, TILE, SLATE, WOOD SHAKE, COMPOSITION SHINGLES

Royal Shield-SA-HT™ must be installed above properly ventilated space (follow all building codes applicable to your region and structure type) as it is considered a vapor barrier (.1 perms).

Royal Shield-SA-HT™ should be installed on a dry and moisture free deck in dry weather when air, membrane and

the substrate is at temperature above 34°F (1°C) and there is no possibility of frost on the roof deck.

Installation of **Royal Shield-SA-HT™** membrane occurs when the release film is removed and the self-adhesive underside is laid onto the approved substrate using applied pressure. **Royal Shield-SA-HT™** is to be laid out horizontally (parallel) to the eave with the printed side up, using 3" horizontal laps and 6" vertical laps as it is manufactured with a 3 inch horizontal edge on each side this will be used on a lengthwise overlap when being installed. For vertical laps, use a 6 inch (152mm) overlap, except in ice damming applications, use a 12 in (305mm) overlap. Starting at the low point, and with salvage edge at the high point, position horizontally a full roll or cut the membrane into 10–15 ft. (3–5m) lengths and re-roll loosely. Peel back 1–2 ft. (300–600mm) of release film, align the membrane, and continue to peel the release film from the membrane. Press the membrane in place with heavy hand pressure. Apply uniform pressure to the membrane roll side and end laps to insure water tightness and bonding to the substrate.

Always work from the low to the high point of the roof. Follow good roofing practice by orientating **Royal Shield-SA-HT™** so side laps shed water. Apply the membrane in valleys before the membrane is applied to the eaves. For valley and ridge application, peel the release film; center the sheet over the valley or ridge, drape, and press into in place. Work the center of the valley or ridge outward in each direction. Following placement along the eaves, continue application of the membrane up slope. If nailing of the membrane is necessary on steep slopes, especially during hot or cold weather, back nail and cover the nails by overlapping with the next sheet. Care should be taken not to walk on or contaminate the lap seal once exposed.

Winter climates can produce ice dams and snow loads against exterior siding while wind driven rains can create headwater heights that challenge the water tightness of exhaust vents, skylights and exterior wall siding. Extend **Royal Shield-SA-HT™** to the height as recommended by the local building code or to the highest locally expected level in order to maintain water tightness from wind driven rain, headwater back-up, ice dams and snow load.

Royal Shield-SA-HT™ Release liners are slippery, remove



ROYAL SHIELD-SA-HT[®]

SELF ADHERED UNDERLAYMENT

INSTALLATION GUIDE

from work area immediately after membrane application. 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. Do not install directly under roof coverings especially sensitive to corrosion, such as zinc, without providing proper ventilation. Do not install fasteners through the membrane over unsupported areas of the structural deck, such as over the joints between adjacent structural panels.

Repair holes, fish mouths, tears, and damage with a round patch of membrane extending past the damaged area 6 inches (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 membrane areas of the structural deck, such as over the joints between adjacent structural panels. **Royal Shield-SA-HT™** has a minimal application temperature of 34°F. The membrane, deck surface, and the air shall be at a temperature of 34°F or greater during installation.

Royal Shield-SA-HT™ is not designed to replace the primary roof covering material, or for indefinite outdoor exposure. The finished roof must completely cover the membrane. Final roofing must be installed within 9 months.

Repairs:

For repairs to **Royal Shield-SA-HT™**, apply replacement product in accordance with the standard installation procedures in section Installation-General. Ensure that overlaps run with the flow of water in a shingling fashion and are a minimum of 6 inches (150 mm) in each direction.

NO WARRANTY, EXPRESSED OR IMPLIED, IS GIVEN AS TO THE MERCHANTABILITY, SUITABILITY FOR A PARTICULAR USE OR OTHERWISE FOR APPLICATIONS BEYOND THE SCOPE OF THESE INSTALLATION GUIDELINES.

30 YEAR LIMITED WARRANTY

PHYSICAL SPECIFICATIONS

Length	55-6 Ft
Width	25 Inch
Weight	42 Lbs
Coverage	2 SQ
Rolls Per Pallet	25 Rolls
Pallet Weight	13// Lbs

ASTM D-1970

HIGH TEMPERATURE PERFORMANCE

250°F

