

# ROYAL SHIELD-SA-HT<sup>®</sup> SELF ADHERED UNDERLAYMENT

## AIR, WATER & VAPOR BARRIER

### FOR USE UNDER

METAL | TILE | SHAKE | SLATE | COMPOSITION AND ASPHALT SHINGLES

Royal Shield-SA-HT™ is bitumen based high temperature performance, strongest, most reliable, and best performing synthetic self-adhering roof underlayment. Royal Shield-SA-HT™ delivers a unique combination of both high temperature (250°F / 121°C) flow resistance and low temperature (40°F / 4.4°C) deck adhesion, does not require priming at low temperature and remains stable at extreme temperatures. It meets or exceeds code requirements and industry standards, offers best walkable rough blue woven fabric surface with six months UV exposure rating and 30 years limited warranty which makes Royal Shield-SA-HT™ an ideal self-adhering underlayment for commercial and residential projects subject to ice-damming and severe weather.

## FEATURES

Royal Shield-SA-HT™ is a self-adhered underlayment that creates a continuous water-shedding surface without nailing.

- ◆ Strong with resistance to tearing, stretching and will not delaminate
- ◆ Meets and exceeds ASTM D-1970, ASTM D226
- ◆ 30 Years Limited Warranty
- ◆ Skid-resistant polymer coating provides traction and a safer working surface
- ◆ High and Low Temperature Performance (250°F / 121°C) - (40°F / 4.4°C)
- ◆ Royal Shield-SA-HT™ is a synthetic product that will support no - mold.
- ◆ Enhanced UV Resistant (Up to 6 Month)
- ◆ Better Coverage – 2 Sq. Roll
- ◆ Pre- printed overlap lines for speedy installation



Ice Damming and Eave Protection at High and Low temperature.

PROPERTIES	TEST METHOD	ROYAL SHIELD-SA-HT (TYPICAL VALUE)
Colour		Blue
Top Surface		Synthetic Polymer - Skid Resistant
Bottom Release Liner		Silicon Poly Split Release
Nominal Thickness	ASTM D 1777	41 mil (1 mm)
Permeability	ASTM E96	0.033 Perms
Nail Sealability	ASTM D 1970	Pass
Lap Sealability	ASTM D 1970	Pass
Temperature Range	ASTM D 1970	LT 15°F (-9°C) To HT 250°F (121°C)
Low Temperature Flexibility	ASTM D 1970	Pass
Adhesion to Plywood	ASTM D 1970	6 Lbs./in. (1050 N/m)
UV Exposure	ASTM G90	6 Month
Fire Rating	ASTM E108	Pass - Class A
Tensile Strength	ASTM D226	MD137 Lbf/in CD93 Lbf/in
Tear Strength	ASTM D4523	MD93 Lbf/in CD80 Lbf/in

\* Test data is based on average taken over several production runs of control/non-conditional specimens and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limiting specifications. All values ± 10 %.

### STANDARD SIZE ROLL

Coverage	2 SQ
Width	3 FT / 91.4 CM
Length	66.7 FT / 20.3 M
Weight	51 LBS / 23.1 KG
Rolls/Pallet	36 Rolls
Pallet Weight	1400 LBS / 630 KG



### BUILDING CODE AND ROOFING STANDARD COMPLIANCE

ASTM D-1970 | ASTM D226 D4869 | CAN/CSA – A123.3  
CAN/CSA – A220.1 | ASTM E108



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