

Royal Shield

Synthetic Roofing Underlayment

High Performance

Royal Shield™ High Performance Synthetic Roof Underlayment is one of the safest, toughest and best-performing roof underlayments available. The light blue color provides a cool, low-glare surface and reduces heat absorption. Woven from polymer fabric, Royal Shield™ offers Strength; Durability; Excellent Traction on steep slopes; offers a Wrinkle-Free surface and is UV Resistance. The textured surface provides superior traction in a variety of roof and weather conditions.



High Performance
10x Lighter, 30x Stronger
than 30 lb type felt



Excellent Skid Resistance
Outstanding traction on
steep slopes, even through
bad weather conditions



UV Protection
Advanced UV Technology
allows upto 6 months of
UV exposure



Excellent Wind Resistance
Helps eliminate blow-off

Yes! Asphalt Shingles

Yes! Metal Roof

Yes! Concrete Tiles

Yes! Clay Tiles

Building Code and Roofing Standard Compliance:

ASTM D226

ICC-ES AC188

ASTM D4869

CAN/CSA - A220

ICC-ES AC207

CAN/CSA - A123.3

Roll Specifications:

10 Square Roll

4.0 ft. x 250 ft.

40 lbs./Roll

30 Rolls Per Pallet



KPNE Products Ltd.

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Royal Shield™ Features:

- **30 Times Stronger** than regular Type 15 and 30 felt, when installed as directed in the installation instructions and is
- **Resistant to tearing** and stretching around fasteners; during high winds or in high traffic areas.
- **Skid-resistant polymer** coating provides traction and a safer working surface
- **Wider** offering greater coverage
- **100% Recyclable material**, manufactured from recyclable material
- **More effective and lighter** in comparison to regular Type 15lbs. & 30lbs. felt
- **Low temperature flexibility**
- **Won't crack, buckle or warp:** Royal Shield™ with its lay-flat and water repellent keeps Royal Shield™ from warping, wrinkling and cracking in cold weather
- **Royal Shield™** is a synthetic product that will support **no - mold, no oil leaching and has no hazardous properties**
- **Enhanced UV Resistant for 6 months**
- **Pre- printed nailing pattern and overlap lines for speedy installation**

| Product Specification | | Test Method |
|----------------------------|---------------------|-------------|
| Roll Width | 48 in. | |
| Roll Length | 250 ft. | |
| Weight Per Square | 4.0 lbs | |
| Nominal Thickness | 14 Mils | ASTM D1777 |
| Water Ponding | Pass | ASTM D779 |
| Pliability | Pass | ASTM D226 |
| Liquid Water Transmission | Pass | ASTM D4869 |
| Water Vapour Permeance | 0.1 perms | ASTM E96 |
| Elongation | 18% | ASTM D751 |
| Tensile Strength (lbs./in) | MD 120 CD 110 | ASTM D751 |
| Tear Strength (g) | MD > 3200 CD > 3200 | ASTM D1922 |
| Beach Puncture | Pass | TAPPI T803 |
| Long Term Sag | Pass | ICC AC207 |
| Ultra Violet Aging | Pass | ICC AC207 |
| Accelerated Aging | Pass | ICC AC207 |
| Fastner Pull Through | Pass | ASTM D3462 |

* 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 %.

| | Royal Shield™ | 30 Lbs. felt |
|------------------------------------|--------------------------|--------------|
| Material Composition | 100% Polypropylene | Asphalt |
| Weight Per Roll | 40 lbs | 60 lbs |
| UV Resistant | 6 Months | No |
| Warranty | Yes - 30 Years | No |
| Anti-Slip Surface | Yes | No |
| Tear Resistance | Yes - 30X then 15lb Felt | No |
| Pre-Printed Nailing Pattern | Yes | No |
| Roll Length | 250 Lnft | 72 Lnft |
| Roll Width | 48 in. | 36 in. |