

# **SHARKSKIN ULTRA SA™**

## **THE ULTIMATE ROOF UNDERLAYMENT**

### **ARCHITECTURAL TECHNICAL SPECIFICATION SHEET**

#### **1. Classification**

ROOF COVERING AND ROOF DECK CONSTRUCTION – Underlayment  
SHINGLES, ROOF TILES AND ROOF COVERINGS – 07300

#### **2. PRODUCT NAME**

**SHARKSKIN ULTRA SA™**

#### **3. Manufacturer**

**KIRSCH BUILDING PRODUCTS LLC**  
1464 Madera RD.  
Suite #387  
Simi Valley, California 93065  
[www.sharkskin.us](http://www.sharkskin.us)

#### **4. Product Description**

**SHARKSKIN ULTRA SA™** is a 100% polypropylene based, 12 month UV exposure rated, thermally stable (-50 – 230 degrees F, high tensile strength reinforced Self-adhered/peel and stick ice and water membrane roof underlayment used in steep slopes applications with tile, metal, real and synthetic slate, and asphalt composition shingles. **SHARKSKIN ULTRA SA™** is a matt grey/white color which keeps the building cool inside. **SHARKSKIN ULTRA SA™** incorporates our patented technology to create **SHARK GRIP™** the most slip- resistant wet, dry or dusty roof underlayment on the market, to protect all trades while working on the roof along with a state of the art proprietary adhesive that bonds to OSB, CDX and ACX Plywood, and Concrete as well as mechanically fastened Sharkskin Comp or Sharkskin Ultra as part of a long term. **SHARKSKIN ULTRA SA™** has the highest tensile strength of any Self-adhered/peel and stick synthetic steep pitched underlayment. **SHARKSKIN ULTRA SA™** can be left exposed for up to 12 months and contains anti-oxidants for long-term reliability. **SHARKSKIN ULTRA SA™** is completely rot proof, will not expand and contract and wrinkle from high and low temperatures changes or moisture like Type 15 or Type 30 organic asphalt felts. **SHARKSKIN ULTRA SA™** will not scar or melt like fiberglass SBS Underlayments at high temperature or crack at low temperature like asphalt based felts and underlayments. **SHARKSKIN ULTRA SA™** has been approved as an alternate replacement for Type 15 and Type 30 asphalt roofing felt, exceeds ASTM D226, passes ICC Acceptance Criteria for Roof Underlayments AC188 November 2001, Roof Underlayment for Use in Severe Climate Areas AC 48, Adhesive Attachment of Concrete and Clay Roofing Tiles AC 152, and Concrete Tile Roof Underlayment on Spaced Sheathing AC 08 and can be used as an Ice and Water Membrane per ICC ESR Report 1708.

#### **5. SHARKSKIN ULTRA SA™ - Applications**

For use under Tile installed over direct deck, battened or counter battened systems, Metal roofing, Slate (real and synthetic), and Composition shingles.

#### **6. SHARKSKIN ULTRA SA™ approval criteria:**

Florida Building Code FL# 8028, International Code Council (ICC) ES ER, ASTM E-84 Class A Flame Spread, ASTM E-108 Class A Fire underneath Fiberglass Shingles. All completed testing per ASTM D226 per RADCO, Inc. ICC ES AC188, AC 48 per Intertek Testing Services, Inc. AC 152 and AC 08 per Trinity ERD.

**7. SHARKSKIN ULTRA SA™----- Technical data and Comparison to----- ASTM Type 30 Felt**

<b>PROPERTY</b>	<b>STANDARD</b>	<b>SPECIFICATION</b>	<b>ASTM TYPE 30 Felt</b>
Self Sealability	ASTM D1970-01	Pass	<b>NA</b>
Flame Spread Class A	ASTM E-84	Pass	<b>NA</b>
Class A Fire (FG Shingles)	ASTM E-108	Pass	<b>NA</b>
Tensile Strength	ASTM D1970-01	Mean 125lbs MD – 92lbs CD	<b>NA</b>
Tensile Strength after Accelerated Aging	ASTM D1970-01	Mean 127lbs MD – 99lbs CD	<b>NA</b>
Tensile Strength after Ultraviolet	ASTM D1970-01	Mean 124lbsMD – 104lbs CD	<b>NA</b>
Tensile Strength	ASTM D226-97a	Average 122lbs MD- 106lbs CD	<b>70lbs MD- 38lbsCD</b>
Operating Temperature Range	-50F – 230F	Polypropylene Chemistry	<b>NA</b>
Ultraviolet Exposure	ICBOES AC48	No Visible Damage	<b>NA</b>
Accelerated Aging	ICBOES AC48	No Visible Damage	<b>NA</b>
Liquid Water Transmission	ASTM D4869-02	No Visible Damage	<b>Pass</b>
Nominal Thickness	ASTM D1777	25 mils	<b>60 mils</b>
Weight Per Square	ASTM D5261	6.5 lbs	<b>27.5lbs</b>
Water Vapor Permeance	ASTM E96-00	Mean Result 0.059 Perms 3.36ng/Pa-S-m2	<b>NA</b>
Unroll-ability	ICBOES AC188	Pass- No Cracking or Tearing	<b>NA</b>
Pliability	ASTM D226-97a	Pass -No Cracking or Tearing	<b>NA</b>
Peel Resistance - Pass 6.5 (lb/ft)	ASTM D - 1970	48.2 (lb/ft)	<b>NA</b>
Peel Resistance - Post UV – Pass 6.5 (lb/ft)	ASTM D- 1970	52.8 (lb/ft)	<b>NA</b>
Peel Resistance – After Accelerated Weathering - Pass 6.5 (lb/ft)	ASTM D - 1970	40.27 (lb/ft)	<b>NA</b>

**SHARKSKIN ULTRA SA™ - was specifically developed for extreme roof conditions over a 15-year research and development period.**

**8. Installation**

**SHARKSKIN ULTRA SA™** underlayment is installed by removing the split-release liner and applying the adhesive side against the roof deck with a 4” horizontal overlap and 12” vertical lap see installations instructions for details. The underlayment is laid horizontally (parallel) to the eave with the printed slip resistant side up and must be fastened for adhesive set concrete and clay roof tile systems using corrosion-resistant 1” metal round top nails spaced at 6” on center horizontally across the top of the underlayment, with the next course of underlayment over lapping the nails. A rosin slip-sheet is not required over **SHARKSKIN ULTRA SA™** with metal roof systems..