

# **SHARKSKIN ULTRA®**

## **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®

#### **3. Manufacturer**

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

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

**SHARKSKIN ULTRA®** is an engineered polypropylene based, 12 month UV exposure rated, thermally stable (-40 – 280 degrees F), high-temp rated, high tensile strength reinforced roof underlayment used on steep slopes in clay/concrete tile roof, metal roof systems, real and synthetic slate, and asphalt composition shingles applications. **SHARKSKIN ULTRA®** is a matt gray color which keeps the building cool inside and out and is easy to handle in extreme heat. **SHARKSKIN ULTRA®** 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. **SHARKSKIN ULTRA®** has the highest tensile strength of any nail-able polymer steep pitched underlayment. **SHARKSKIN ULTRA®** can be left exposed for up to 12 months and contains antioxidants for long-term reliability. **SHARKSKIN ULTRA®** 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®** 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®** 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 and can be used as an Ice and Water Membrane per ICC ESR Report 1708.

#### **5. SHARKSKIN ULTRA® - 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® approval criteria:**

Florida Building Code, Miami/Dade, ICC-ES, and Texas Department of Insurance, meets ASTM E-84 Class A Flame Spread, ASTM E-108.

**7. SHARKSKIN ULTRA®----- 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 140lbs MD – 127lbs CD	<b>NA</b>
Tensile Strength after Accelerated Aging	ASTM D1970-01	Mean 143lbs MD – 123lbs CD	<b>NA</b>
Tensile Strength after Ultraviolet	ASTM D1970-01	Mean 153lbsMD – 147lbs CD	<b>NA</b>
Operating Temperature Range	-40F – 280F	Polypropylene Chemistry	<b>NA</b>
Ultraviolet Exposure	ICC-ES AC48 Miami-Dade TAS	No Visible Damage	<b>NA</b>
Accelerated Aging	ICC-ES AC48 Miami-Dade TAS	No Visible Damage	<b>NA</b>
Liquid Water Transmission	ASTM D4869-02	No Visible Damage	<b>NA</b>
Nominal Thickness	ASTM D1777	15 mils	<b>60 mils</b>
Weight Per Square Foot	ASTM D5261	5.0 lbs	<b>27.5lbs</b>
Water Vapor Permeance	ASTM E96-00	Mean Result 0.060 Perms 3.36ng/Pa-S-m <sup>2</sup>	<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>

**SHARKSKIN ULTRA®**

**Specifically developed for extreme roof conditions over a 10-year research and development period.**

**8. Installation**

**SHARKSKIN ULTRA®** underlayment is installed with a 4” horizontal overlap and 12” vertical lap. The underlayment is laid horizontally (parallel) to the eave with the printed slip resistant side up, and is fastened using 3/8” head roofing nails, galvanized 1” round top nails, and or 1” plastic cap nails with galvanized shanks spaced at 12” on center on horizontal and 6” vertical laps. Reduce nail spacing in areas of high wind driven rain as needed. When installed beneath battened tile installations nail underlayment as needed to provide secure and safe footing for the installer and other trades immediately prior to batten installation. A rosin slip-sheet is not required over **SHARKSKIN ULTRA®** with metal roof systems.