

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
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Simi Valley, California 93065
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4. Product Description

SHARKSKIN ULTRA™ is 100% polypropylene based, 12 month UV exposure rating, thermally stable with an average melting point of 320 degrees F., a high tensile strength reinforced roof underlayment used on steep slopes with battened tile applications, metal, real and synthetic slate, and asphalt composition shingles. **SHARKSKIN ULTRA™** is a matt white 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 anti-oxidants 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 per RADCO Test Report #3085, passed ICBO 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 battened or counter battened systems, Metal roofing, Slate (real and synthetic), and Composition shingles.

6. SHARKSKIN ULTRA™ approval criteria:

ASTM D226 per **RADCO REPORT# 3085**, International Code Council (ICC) ES ER, ASTM E-84 Class A Flame Spread, ASTM E-108 Class A Fire underneath Fiberglass Shingles. All testing per ICBO AC188 “Acceptance Criteria for Roof Underlayments” per **Intertek Testing Services, Inc.**, passed.

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

PROPERTY	STANDARD	SPECIFICATION	ASTM TYPE 30 Felt
Self Sealability	ASTM D1970-01	Pass	NA
Flame Spread Class A	ASTM E-84	Pass	NA
Class A Fire (FG Shingles)	ASTM E-108	Pass	NA
Tensile Strength	ASTM D1970-01	Mean 125lbs MD – 92lbs CD	NA
Tensile Strength after Accelerated Aging	ASTM D1970-01	Mean 127lbs MD – 99lbs CD	NA
Tensile Strength after Ultraviolet	ASTM D1970-01	Mean 124lbsMD – 104lbs CD	NA
Tensile Strength	ASTM D226-97a	Average 122lbs MD- 106lbs CD	70lbs MD- 38lbsCD
Operating Temperature Range	-50F – 320F	Polypropylene Chemistry	NA
Ultraviolet Exposure	ICBOES AC48	No Visible Damage	NA
Accelerated Aging	ICBOES AC48	No Visible Damage	NA
Liquid Water Transmission	ASTM D4869-02	No Visible Damage	Pass
Nominal Thickness	ASTM D1777	0.016 inches	60 mils
Weight Per Square	ASTM D5261	45 lbs	27.5lbs
Water Vapor Permeance	ASTM E96-00	Mean Result 0.059 Perms 3.36ng/Pa-S-m2	NA
Unroll-ability	ICBOES AC188	Pass- No Cracking or Tearing	NA
Pliability	ASTM D226-97a	Pass -No Cracking or Tearing	NA

Testing per ASTM D226 and ICBO AC188 per RADCO and Intertek Testing Services respectively.

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. The use of peel and stick tapes is suggested to seal Sharkskin Ultra Tile™ as needed. **SHARKSKIN ULTRA™** is UV resistant for 12 months