

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 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 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 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

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 140lbs MD – 127lbs CD	NA
Tensile Strength after Accelerated Aging	ASTM D1970-01	Mean 143lbs MD – 123lbs CD	NA
Tensile Strength after Ultraviolet	ASTM D1970-01	Mean 153lbsMD – 147lbs CD	NA
Operating Temperature Range	-40F – 280F	Polypropylene Chemistry	NA
Ultraviolet Exposure	ICC-ES AC48 Miami-Dade TAS	No Visible Damage	NA
Accelerated Aging	ICC-ES AC48 Miami-Dade TAS	No Visible Damage	NA
Liquid Water Transmission	ASTM D4869-02	No Visible Damage	NA
Nominal Thickness	ASTM D1777	15 mils	60 mils
Weight Per Square Foot	ASTM D5261	5.0 lbs	27.5lbs
Water Vapor Permeance	ASTM E96-00	Mean Result 0.060 Perms 3.36ng/Pa-S-m ²	NA
Unroll-ability	ICBOES AC188	Pass- No Cracking or Tearing	NA
Pliability	ASTM D226-97a	Pass -No Cracking or Tearing	NA

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.