

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.sharkskinroof.com

4. Product Description

SHARKSKIN ULTRA SA® is an engineered polypropylene based, 12 month UV exposure rated, thermally stable (-40 – 280 degrees F), high-temp rated, 10 degrees F and rising installation temp, high tensile strength reinforced “self-adhered/peel and stick” All Weather Barrier™ roof underlayment used in steep slopes applications for ice dam protection, 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, concrete, CMU block, metal, Densdeck, and polyiso & polystyrene insulation, without primer. As well as Sharkskin Comp® or Sharkskin Ultra® as part of a two-ply system. **SHARKSKIN ULTRA SA®** has the highest tensile strength of any self-adhered/peel and stick synthetic underlayment on the market. **SHARKSKIN ULTRA SA®** can be left exposed for up to 12 months and contains anti-oxidants for long-term temperature cycling resistance. **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 per ICC-ES ESR 1708, Adhesive Attachment of Concrete and Clay Roofing Tiles ASTM D 1623, per Miami-Dade and Florida Building Code reports.

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

7. SHARKSKIN ULTRA SA®----- 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	25lbs Md- 25lbs CD
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 / Synthetic Adhesive Chemistry	NA
Ultraviolet Exposure	Miami-Dade	No Visible Damage	NA
Accelerated Aging	Miami-Dade	No Visible Damage	NA
Liquid Water Transmission	ASTM D4869-02	No Visible Damage	Pass
Nominal Thickness	ASTM D1777	30 mils*	NA
Weight Per Square Foot	ASTM D5261	7.0lbs	27.5lbs
Water Vapor Permeance	ASTM E96-00	Mean Result 0.059 Perms 3.36ng/Pa-S-m2	NA
Unroll-ability	ICC-ES AC188	Pass- No Cracking or Tearing	NA
Pliability	ASTM D226-97a	Pass -No Cracking or Tearing	NA
Peel Resistance - Pass 6.5 (lb/ft)	ASTM D - 1970	48.2 (lb/ft)	NA
Peel Resistance - Post UV – Pass 6.5 (lb/ft)	ASTM D- 1970	52.8 (lb/ft)	NA
Peel Resistance – After Accelerated Weathering - Pass 6.5 (lb/ft)	ASTM D - 1970	40.27 (lb/ft)	NA

*+/- 10%

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, 10 degrees F and rising, 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 12” 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..