



# PALISADE<sup>TM</sup>

## SYNTHETIC UNDERLAYMENT

### TECHNICAL SPECIFICATIONS

Property	Standard	PALISADE <sup>TM</sup>	30# Felt
Tensile Strength	ASTM D226	<b>150 lbs.</b>	30 lbs.
Tear Strength	ASTM D4533	<b>50 lbs.</b>	1.5 lbs.
Puncture Strength	ASTM D751	<b>300 psi</b>	50 psi
Cap Nail Pull Strength	TAS 117B	<b>230 lbs.</b>	40 lbs.
UV Rating	ASTM G90	<b>&gt;90%</b>	<50%
Water Transmission	ASTM D4869	<b>Pass</b>	Pass
Surface Temperature	SDP	<b>+10° F</b>	+50° F
Water Absorption	ASTM D1970	<b>0.1%</b>	35%
Oils Leaching	SDP	<b>N/A</b>	Fail
Moisture Buckling	SDP	<b>N/A</b>	0.5 in.
Permeability	ASTM E96-A	<b>0.10 Perms</b>	8 Perms
Temperature Rating	SDP	<b>-70°/300° F</b>	32°/150° F
CLASS A Tile, Metal, Shingle, Slate, non-FR Shake	ASTM E108 UL 790	<b>Pass</b>	-
Thickness	ASTM D5147	<b>25 mils</b>	60 mils
Weight Per Square	ASTM D5261	<b>3.7 lbs.</b>	28 lbs.

PALISADE<sup>TM</sup> meets or exceeds IBC/IRC 2003, ICC AC-188, ASTM D226 Type I & II requirements. Values, weights and measures are typical data and not limiting specifications. All values +/- 10%

### CODES & APPROVALS



ESR-1847



NOA #11-0714.05



FL-5325  
(HVHZ)



ASTM E108  
UL790

### INSTALLATION (USE NO STAPLES)

PALISADE<sup>TM</sup> synthetic roofing underlayment must be installed above properly ventilated spaces, as the underlayment is considered a vapor barrier (follow all applicable building codes). The deck surface must be 2:12 slope or greater, dry, and free of dust, dirt, voids, loose nails and other protrusions. Damaged sheathing must be replaced. The use of a rosin paper slip-sheet is not required underneath metal roofing systems. Installation is limited to use with roof coverings that do not involve hot asphalt or coal-tar pitch.

PALISADE<sup>TM</sup> is installed horizontally with the printed side up, and with 3-inch horizontal laps and 6-inch vertical laps. Overlaps must run with the flow of the water in a shingle pattern. The underlayment is only attached to the roof deck with roofing nails having 1-inch minimum diameter plastic or steel caps. **USE NO STAPLES.** Cap nails are spaced at 6 inches on center at vertical laps, and at 11 inches on center at horizontal laps. In the field area, apply fasteners at 13 inches spaced vertically and 22 inches on center horizontally. All caps (including nails) must be fully flush with the underlayment surface. Do not install fasteners over unsupported areas/voids. Repair all tears, holes, or damage to the underlayment.

In coastal areas, high wind conditions, or prolonged exposure, double the fastener schedule at minimum. (For Florida Miami-Dade/Broward **High Velocity Hurricane Zones (HVHZ)**, see FL-5325 (HVHZ) code approval). In addition, secure laps by folding all laps over before nailing, or taping securely across lap seams using exterior grade sheathing tape, or using sealants such as roofing cement (asbestos free meeting ASTM D4586), EPDM, or Butyl to seal laps.

For batten secured installations, use only adequate length ring shanked nails or screws. **USE NO STAPLES** to secure battens to the roof deck. When battens are installed over PALISADE<sup>TM</sup>, the underlayment need only be preliminarily attached with cap nails pending attachment of the battens or counter-battens. Layout underlayment such that cap nails will not interfere with batten installation.

For slopes less than 4:12, use a full 20" half lap over the underlying course. Apply underlayment up all abutments at least 6 inches.

Depending on roof pitch and surface conditions, blocking may be required to support roofing materials. Use caution when walking on underlayment that has not been fastened to the deck.

PALISADE<sup>TM</sup> is not designed to replace the primary roof covering material, or for indefinite outdoor exposure. Final roofing must be installed within 6 months.

### PALISADE<sup>TM</sup> PROPERTIES

LENGTH	290 ft./88.4 m
WIDTH	41.5 in./105 cm
WEIGHT	37 lbs./17 kgs
COVERAGE	1000 ft <sup>2</sup> /92.9 m <sup>2</sup>
PALLET	30 Rolls/1100 lbs./500 kgs



# SDP

ADVANCED POLYMER PRODUCTS



# SDP

ADVANCED POLYMER PRODUCTS

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# PALISADE<sup>TM</sup>

## SYNTHETIC UNDERLAYMENT



# BUILD ON OUR STRENGTH

## SDP ADVANCED POLYMER PRODUCTS

## DESIGNED FOR ROOFERS

**PALISADE™ SYNTHETIC ROOFING UNDERLAYMENT** is an advanced technology product designed for the most demanding roofers.

### SAFETY FIRST & FOREMOST

**STRONGHOLD™ skid resistant surface technology<sup>1</sup>**, is engineered to possess the most advanced synthetic underlayment surface traction of any product on the market. **STRONGHOLD™** was developed with real-world roofer safety in mind. The top surface delivers category leading skid resistance, while the skid resistant underside reduces slippage between the underlayment and deck.

### SERIOUS STRENGTH

**PALISADE™** is designed with high strength polymers that deliver **30X greater tear strength** than asphalt felt underlayment. This incredible tear strength results in reduced blow-offs during exposed roof conditions, and increased nail pull strength for reduced fastener tear away. The strength of **PALISADE™** stands up to almost any installation or traffic damage.

### ENHANCED PRODUCTIVITY

**PALISADE™** combines light weight (6x lighter than 30# felt) with an extra wide width for enhanced installation productivity (1 roll covers 10 sq!). Now you can do more jobs faster with fewer rolls, fewer laps and fewer fasteners.

### CLASS "A" ALL THE WAY!

**PALISADE™** contains an advanced flame retardant polymer formulation<sup>1</sup> and is **CLASS A** rated when used with metal, concrete and clay tile, composition shingles, slate, or non-FR wood shake roofing systems<sup>2</sup>.

### LET THERE BE LIGHT!

**PALISADE™** possesses advanced UV polymer technology to deliver **6 months UV protection** before the primary roofing covering has to be installed.

**PALISADE™** is designed with **KOOL BLUE™<sup>1</sup>** color technology delivering low surface temperature, low energy (heat up) absorption, as well as low glare.

**PALISADE™** delivers value to roofers through advanced technology.



**PALISADE™**  
**SYNTHETIC UNDERLAYMENT**

## ENGINEERED TO EXCEED

### STRONGHOLD™



Patented  
**STRONGHOLD™** Skid  
Resistant Technology

### FELT FREE

#### 30X STRONGER

#### FELT FREE



**6x lighter, 30X stronger**  
than 30# asphalt felt, and  
lays flatter even when wet.

### UV PROTECTION



Advanced UV Technology  
allows for up to **6 months**  
**UV exposure.**

### KOOL BLUE™

#### LOW ABSORPTION + LOW GLARE



Unique light blue color  
produces **lower heat**  
absorption and **lower glare.**

### CLASS A



**CLASS A** rating under  
shingle, tile, metal, slate  
and non-FR wood shakes.

ASTM E108/UL 790

### 30 YEAR WARRANTY



**PALISADE™** is backed by a  
30 year limited warranty.