

POLYANCHOR[®] SU

SYNTHETIC ROOF UNDERLAYMENT

PRODUCT DESCRIPTION

Polyanchor SU is a lightweight, nailable synthetic roof underlayment designed to protect the roof deck. Polyanchor SU is stronger than traditional felts for improved wind resistance, durability through heavy foot traffic and adverse weather conditions. Polyanchor SU's non-woven fiber surface top surface and polymeric coated bottom surface provides enhanced walkability.

Polyanchor SU is ideally suited for asphalt shingles, synthetic shingles, and cedar shake roof covering systems. Polyanchor SU is preferably matched with Polystick IR-Xe installed on the eaves and valleys for ice and water protection.

TYPICAL APPLICATIONS

- Water-resistant barrier on steep slope roofing under asphalt shingles, synthetic shingles, and cedar shakes roof coverings
- Nailable steep slope underlayment over approved wood decks for temporary waterproofing protection
- Used in conjunction with Polystick IR-Xe self-adhered shingle underlayment for greater ice and water protection at eaves and valleys

FEATURES AND BENEFITS

- Improved tear strength and wind uplift resistance compared to felts
- Enhanced deck grip and walkability
- 90-day UV resistance
- Lightweight, 10 square roll provides quick roof coverage

TECHNICAL DESCRIPTION*

Physical Properties	ASTM Method	ASTM Value
Unrolling (32°F and 140°F)	ASTM D226	Pass
Pliability (MD and XMD)	ASTM D8257	Pass
Liquid Water Transmission	ASTM D4869	Pass
Linear Dimensional Change (MD and XMD)	ASTM D8257	-2.5% to 1%
Tensile Strength (MD and XMD)	ASTM D8257	>20 lbf/in
Tear Strength (MD and XMD)	ASTM D4533	>15 lbf/in
Fastener Pull Through	ASTM D228	>25 lbf
Hydrostatic Resistance	ASTM D751	Pass
Thermal Cycling	ASTM D8257	Pass
Accelerated Weathering	ASTM D8257	Pass

*The properties in this table are "as manufactured" unless otherwise noted.



PRODUCT DATA**

Net Coverage (Approx)..... 904 ft² (84 m²)
 Gross Coverage 1,000 ft² (93 m²)
 Weight (Approx) 23.5 lbs (10.6 kg)
 Roll Size 286' x 42" (87 m x 1.1 m)
 Rolls/Pallet..... 67

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D226 Types I & II
- ASTM D4869 Types I & II
- ASTM D8257
- Class A Fire - ASTM E108***
- Intertek CCRR-0514
- Florida Building Code
- Miami-Dade County Approved (Pending)
- Texas Department of Insurance (Pending)

***ASTM E108 / UL 790 Class A Fire Resistant when installed under asphalt shingles.



PRODUCT CODES

- PASU



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APPLICATION INSTRUCTIONS

- Polyanchor SU is a water and vapor barrier and therefore must be installed above a properly ventilated space(s). Follow ALL building codes applicable to your geographical region and structure type as it is considered a vapor barrier. Always follow safe roofing practices and OSHA safety requirements. Always wear and use fall protection devices when working on roofs. Use caution when walking or standing on Polyanchor SU underlayment in wet or dusty conditions that may reduce traction. Failure to use proper safety equipment and footwear can result in serious injury.
- Polyanchor SU underlayment must be installed in accordance with the provisions of sections 1507 and 1518 of the FBC.
- Polyanchor SU should be applied to a properly prepared dry deck that is smooth, clean and free from any depressions, projections, or protruding nails. Acceptable roof deck materials are minimum 3/8" plywood, minimum 7/16" OSB, or minimum 6" roof deck boards. Roof decks should be structurally sound and meet or exceed minimum requirements of the roof deck manufacturer and local building codes.
- Polyanchor SU must be covered by primary roofing within 90 days of application. Polyanchor SU is designed for use under asphalt or synthetic shingles, metal in residential applications, and cedar shakes that have been primed.
- Slopes from 4:12 and higher: Polyanchor SU is to be laid out horizontally (parallel) to the eave with the printed side up. Horizontal laps should be 4" and vertical laps should be 6" and anchored approximately 1" in from the edge. End laps in a succeeding course should be located at least 6' from laps in the preceding course. Slopes 2:12 to less than 4:12: Cover the deck with two layers of Polyanchor SU. Begin by fastening a 22" wide strip of Polyanchor SU along the eaves with the minimal fasteners need to hold the course in place. Place a full-width sheet over the 22" course and overlap each successive course by 50% plus 1". Additional fasteners may be required in high-wind regions per local building codes. Vertical lap requirements are the same as 4:12 and higher slopes. Slopes less than 2:12: Polyanchor SU is not recommended for use.
- Provided there is no rain or high winds, Polyanchor SU can be attached with 1" simplex cap nails or corrosive resistant 3/8" head x 1" leg roofing nails (ring shank preferred, smooth leg acceptable), when covered with primary roofing on the same day. If Polyanchor SU will not be covered on the same day and up to 90 days, then product must be attached to the roof deck using a minimum 1" diameter plastic or metal cap roof nail (ring shank preferred, smooth leg acceptable). Miami-Dade approved tin tags/metal caps are also acceptable, and it is recommended for best performance to use with the rough edge facing up.

- For extended exposure, it is required that Polyanchor SU be anchored in all locations printed on the facer. Consult local building codes for fastener type and spacing requirements. For extended exposure conditions where driving rain or strong winds are expected, it is recommended to take additional precautions such as doubling the lap widths. Alternatively or in addition to, a compatible sealant could be used between the laps or a peel and stick tape could be applied to the overlaps.
- All anchoring nails must be flush, 90 degrees to the roof deck, and tight with the underlayment surface and the structural roof deck. Where seams and joints require sealant or adhesive, use PG 500, PolyPlus 50, or a low solvent plastic roofing cement meeting ASTM D4586 Type I. Acceptable alternatives are butyl rubber, urethane, and EPDM based caulk or tape sealant.

MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Waco, TX
- Winter Haven, FL

CORPORATE HEADQUARTERS

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Product Disclaimer: Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects in its product that directly results in leakage for a period of 1 year.

Refer to safety data sheet (SDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances.

Polyglass U.S.A., Inc., reserves the right to improve and change its products at any time without prior notice. Polyglass U.S.A., Inc. cannot be held responsible for the use of its products under conditions beyond its own control. For most current product data and warranty information, visit www.polyglass.us.



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