



TUFF-GRIP 15 SYNTHETIC ROOFING UNDERLAYMENT

TECHNICAL DATA SHEET



DESCRIPTION:

APOC Tuff-Grip 15 Synthetic Roofing Underlayment is a UV-stabilized polypropylene underlayment designed to shed water. It provides a secondary layer of protection against wind, moisture, and other elements and replaces the use of #15 and #30 organic roofing felt under asphalt shingles, residential metal and cedar shake roofing materials.

EXPOSURE:

APOC Tuff-Grip 15 Synthetic Roofing Underlayment resists UV degradation for up to 90 days. Roofing materials **MUST** be installed over APOC Tuff-Felt 15 Synthetic Roofing Underlayment within 90 days.

STORAGE:

Keep APOC Tuff-Grip 15 Synthetic rolls dry and protected from the weather.

CHECK FOR PROPER UNDER-DECK VENTILATION:

Tuff-Grip 15 Synthetic Roofing Underlayment retards moisture vapor movement. Humid air in the attic may therefore condense as water beneath the Tuff-Grip15 Synthetic Roofing Underlayment, resulting in deterioration of the deck and growth of molds. A design professional must **ALWAYS** address the potential for moisture entrapment, excessive moisture build-up, and condensation. Moisture control solutions may include, but are not limited to, use of: • a continuous vapor barrier in the ceiling • soffit and ridge vents • gable vents • power vents. Be sure to review local building codes in your area for ventilation requirements.

PREPARATION:

Clean deck. Remove debris and protruding fasteners, which can damage Tuff-Grip 15 Synthetic Roofing Underlayment and cause leaks. Repair and replace any damaged or rotted sections prior to installing Tuff-Grip 15 Synthetic Roofing Underlayment. Deck must be dry, smooth in sound stable condition to prevent buckling of the deck and damage to roofing underlayment or primary roof cover.

APPROVALS:

CCRR-0604, Florida Building Code Approved FL47536, Certified to ASTM D8257, ICC-ES AC188, and ASTM E108 (Class A). Performance characteristics meet or exceed ASTM D4869 – Type I, II, III and IV • Performance characteristics meet or exceed ASTM D226 – Type I, II.

APPLICATION 4:12 SLOPE OR MORE.

Overlap Tuff-Grip 15 Synthetic Roofing Underlayment.

Before Fastening Overlap 3" (76 mm) at side lap. Extend Tuff-Grip15 Synthetic Roofing Underlayment 3" (76 mm) over the preceding course. Use the lap line printed front of sheet to help align the 3" (76 mm) overlap. Overlap 6" (152 mm) at end lap. End laps should overlap a minimum of 6" (152 mm) and be offset from adjacent end laps by 3' (914 mm).

APPLICATION 2:12 SLOPE TO LESS THAN 4:12.*

Install Double Coverage Overlap a full 25.5" (648 mm) over the underlying course. Continue up the roof using a 22.5" (572 mm) exposure. Overlap 6" (152 mm) at end lap seams and offset from adjacent end laps by 3' (914 mm).

To fasten Tuff-Grip15 Synthetic Roofing Underlayment use only plastic cap, corrosion resistant nails or staples with plastic caps. Fasten side and end lap 12" (305 mm) on center use 6" (152 mm) on center for high wind areas. Fasten in the field of the roll with two staggered rows of fasteners spaced 24" (610 mm) on center (use 12" [305 mm] on center for high wind areas)

INSTALL LEAK BARRIER. Where waterproof underlayment is needed, install APOC SB1 Ice and Water at eaves, valleys, rakes, skylights, dormers, and other vulnerable leak areas. See appropriate APOC Ice and Water published application instructions for details.

*Do Not Install On A Slope Less Than 2:12. Always follow local buildings codes for your specific region.

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Roll Dimensions	48" x 250'
Roll Coverage	10 Squares
Rolls Per Pallet	72
Stock Code	AP-6400-15
Standard for Polymer UDL ASTM D8257	PASS
Tensile Strength (lbs.) ASTM D5035	MD:90 / CD:90
Tear Strength (lbs.) ASTM D4533	MD:15 / CD:15
Elongation (%) ASTM D5035	MD:16 / CD:16
Water Transmission ASTM D4869	PASS
Temperature Range	-40F to 240F
UV Exposure ICC-AC-207	90 Days
Fire Rating UL Class A ASTM E108	PASS
Nominal Thickness ASTM D1777	> 7 mils
Permeability ASTM E96 B	< 0.5 perms



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MEETS
ASTM D8257

ASTM E108
CLASS A APPROVED

MEETS
THE REQUIREMENTS OF
ICC-ES AC-188

