



ABC[®]

PRO GUARD 20

SYNTHETIC ROOFING UNDERLAYMENT

ABC Pro Guard 20 Synthetic Underlayment is designed to replace traditional felt paper for sloped roof applications. Pro Guard 20 Synthetic Underlayment has been engineered for maximum roofer comfort and productivity. With its lightweight 10 square rolls and slip resistant surface, Pro Guard 20 Synthetic Underlayment is easy to handle and fast to install. Try it today!

Pro Guard 20 Synthetic Underlayment Features & Benefits

- Meets ASTM D226 Types I & II and D4869 Types II & IV
- Durable, slip-resistant walking surface
- 60 days UV exposure
- Up to 12 times stronger than #15 felt*
- 6 squares more per roll than #15 felt**
- Easy to install – 42" wide lightweight rolls
- Synthetic construction is inert to mold growth
- Lays flat and does not absorb water and wrinkle
- Advanced backside non-slip coating
- Low temperature flexibility
- CAN/CSA A123.3
- CCRR-0308
- ASTM E108/UL790 Class A Fire Resistance (when installed under asphalt shingles)
- Texas Department of Insurance Listed
- Florida Product Approved
- Miami-Dade Product Approved

Pro Guard 20 Synthetic Underlayment Roll & Pallet Specs

Length per Roll:	286' / 87 m
Width per Roll:	42" / 1.1 m
Nominal Weight per Roll:	23.5 lbs / 10.6 kg***
Roll Size:	10 sq / 93 m ²
Rolls per Pallet:	67
Pallet Weight:	1,626 lbs / 738 kg

TECHNICAL DATA

Meets or exceeds the following test standards

TEST & STANDARD	TEST METHOD
Breaking Strength	ASTM D146
Pliability	ASTM D146
Loss of Heating	ASTM D146
Unrolling	ASTM D226
Liquid Water Transmission	ASTM D4869
Tear Resistance	ASTM D4073
Dimensional Stability	ASTM F1087
Pliability	ASTM A 123.3
Moisture Vapor Permeance	ASTM E96
Burst Strength	ASTM D751
Class A Fire [^]	ASTM E108

[^] When installed under asphalt shingles.

* Test data is based on average of samples tested in accordance with ASTM D2261.

** Coverage per roll is 9.09 sq with a 4" horizontal overlap.

*** Includes core weight.



For use under Asphalt Shingles, Synthetic Shingles, Residential Metal Roofing and Cedar Shakes

Pro Guard 20 Synthetic Underlayment is a highly engineered, coated woven protective layer for sloped roofs. Pro Guard 20 Synthetic Underlayment has a high strength design and durable nonwoven walking surface that delivers a considerable improvement over felt paper. The durable nonwoven walking surface has clearly marked nail guides and can be chalked just like felt paper.

Gain an edge in productivity and help increase profits. Pro Guard 20 Synthetic Underlayment is lightweight, 42 inch width and 286 foot run length allows for fewer laps, cuts, and easier roll handling compared to felt. This means you can do more jobs in less time, use less labor, and inventory fewer rolls.

Pro Guard 20 Synthetic Underlayment is up to 12 times stronger than #15 felt. It offers exceptional wind resistance and durability through heavy roof traffic and adverse weather conditions. Pro Guard 20 Synthetic Underlayment can save you time and money with less material damage and fewer post-install repairs. Stay on track, take on more jobs, and sleep assured knowing your Pro Guard 20 Synthetic Underlayment projects will remain intact.

Unlike traditional asphalt-saturated felts, Pro Guard 20 Synthetic Underlayment can be used in extremely low temperatures without becoming stiff and difficult to unroll. It also does not dry out, crack, or leach oils in the heat like felt. Pro Guard 20 Synthetic Underlayment is 100% synthetic and will not absorb water or wrinkle like felt. It lays flat and does not support mold growth.

Pro Guard 20 Synthetic Underlayment can also be used in conjunction with Titanium® PSU30 self-adhered underlayments for ice damming protection along the eaves and in the valley areas.

Pro Guard 20 Synthetic Underlayment will continue to protect your primary roofing long after felt.



INSTALLATION INSTRUCTIONS:

ABC® PRO GUARD 20 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 ABC® PRO GUARD 20 underlayment in wet or dusty conditions that may reduce traction. Failure to use proper safety equipment and footwear can result in serious injury.

DECK PREP: ABC® PRO GUARD 20 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 inch plywood, minimum 7/16 inch OSB, or minimum 6 inch roof deck boards. Roof decks should be structurally sound and meet or exceed minimum requirements of the roof deck manufacturer and local building codes.

USE: ABC® PRO GUARD 20 must be covered by primary roofing within 60 days of application. ABC® PRO GUARD 20 is designed for use under asphalt or synthetic shingles, metal in residential applications, and cedar shakes that have been primed.

APPLICATION: Slopes from 4:12 and higher: ABC® PRO GUARD 20 is to be laid out horizontally (parallel) to the eave with the printed side up. Horizontal laps should be 4 inches and vertical laps should be 6 inches and anchored approximately 1 inch in from the edge. End laps in a succeeding course should be located at least 6 feet from laps in the preceding course.

Slopes 2:12 to less than 4:12: Cover the deck with two layers of ABC® PRO GUARD 20. Begin by fastening a 22 inch wide strip of ABC® PRO GUARD 20 along the eaves with the minimal fasteners need to hold the course in place. Place a full-width sheet over the 22 inch course and overlap each successive course by 50% plus 1 inch. 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: ABC® PRO GUARD 20 is not recommended for use.

FASTENERS: Provided there is no rain or high winds, ABC® PRO GUARD 20 can be anchored with staples, cap staples or corrosive resistance 3/8 inch head X 1 inch leg roofing nails (ring shank preferred, smooth leg acceptable), when covered with primary roofing on the same day.

If ABC® PRO GUARD 20 will not be covered on the same day and up to 60 days, then product must be attached to the roof deck using a minimum 1 inch 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 ABC® PRO GUARD 20 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.

ANCHORING: 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 a low solvent plastic roofing cement meeting ASTM D-4586 Type 1, or Federal Spec SS-153 Type 1 such as Karnak, Henry, DAP, MB, Geocel or equivalent. Acceptable alternatives are butyl rubber, urethane, and EDPM based caulk or tape sealant.