TopShield®

Uncompromising Quality in Residential Roofing

TS20 SYNTHETIC ROOFING UNDERLAYMENT

SRS TopShield® TS20 Synthetic Underlayment is a preferred choice for sloped roof applications over felt paper.

SRS TopShield® TS20 Synthetic Underlayment is designed for maximum roofer comfort and productivity.

The lightweight 10 square rolls provide more coverage are easy to handle and faster to install than felt paper. The non-woven surface provides a better traction for your crew. **TRY IT TODAY!**

TopShield® TS20 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
- CCRR-0355
- ASTM E108/UL790 Class A Fire Resistance (when installed under asphalt shingles)
- Florida Product Approval
- Miami-Dade County Product Approval
- TDI Listed

TopShield® TS20 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
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.

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

SRS TopShield® TS20 Synthetic Underlayment is a highly engineered, coated woven protective layer for sloped roofs. TopShield Synthetic Roofing Underlayment has a high strength design and provides a durable non-woven slip-resistant walking surface compared to felt. The durable non-woven walking surface has clearly marked nail guides and can be chalked.

TopShield® TS20 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.

TopShield® TS20 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 more jobs in less time, use less labor, and inventory fewer rolls.

Unlike traditional asphalt-saturated felts, SRS TopShield® TS20 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. TopShield® TS20 Synthetic Underlayment is 100% synthetic and will not absorb water or wrinkle like felt. It lays flat and does not support mold growth.

SRS TopShield® TS20 Synthetic Underlayment will continue to protect your primary roofing long after felt.

SRS Distribution Inc.
TopShield Materials

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855.569.1550
srstopshield.com

ROOF HUB
RoofHub.PRO

SRS Raise the Roof Foundation
srsraisetherooffoundation.org

INSTALLATION INSTRUCTIONS:

TopShield® TS20 Synthetic Underlayment 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 TopShield® TS20 in wet or dusty conditions that may reduce traction. Failure to use proper safety equipment and footwear can result in serious injury.

DECK PREP: TopShield® TS20 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: TopShield® TS20 must be covered by primary roofing within 60 days of application. TopShield® TS20 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 greater: TopShield® TS20 is to be laid out horizontally (parallel) to the eaves 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 2 layers of TopShield® TS20. Begin by fastening a 22 inch wide strip of TopShield® TS20 along the eaves with the minimal fasteners needed 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 greater slopes.

Slopes less than 2:12: TopShield® TS20 is not recommended for use.

FASTENERS: Provided there is no rain or high winds, TopShield® TS20 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 TopShield® TS20 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 or 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 TopShield® TS20 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 D4586 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.