



TopShield SecureGrip Ice & Water

Self-Adhered Ice and Water Roof Underlayment

STORAGE & INSTALLATION INSTRUCTIONS

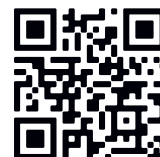
TopShield® SecureGrip Ice & Water is an air, vapor and premium secondary water barrier and so must be installed above a properly ventilated space. Follow all building codes applicable to your geographic region and structure and construction type as this product is considered a vapor barrier.

STORAGE	TopShield® SecureGrip ICE & WATER should be stored at room temperature, upright in the original cardboard box package in a dry and properly ventilated area. Keep away from open flames, sparks and harmful substances, and store away from the elements. Only rolls intended for the same-day installation should be removed from the storage area. For best results, store in temperatures between 40° F (4.4° C) and 100° F (38° C) if room temperature storage is not available. It is recommended to warm material to a minimum temperature of 40° F (4.4° C) prior to application.
USE	TopShield® SecureGrip ICE & WATER must be covered by primary roofing materials within 30 days of application. TopShield® SecureGrip ICE & WATER is designed for use under Asphalt and Synthetic Shingles, Metal Roofing, Tile, Slate and Cedar Shakes.
ROOF DECK PREPARATION	<ul style="list-style-type: none">• Protrusions from the deck area must be removed and roof decks shall have no voids, damaged or unsupported areas. Deck surfaces shall be free of debris, be dry and moisture free.• TopShield® SecureGrip ICE & WATER may be applied directly to a plywood, OSB, or concrete roof surface and should be fully covered as soon as possible or within 30 days of installation. Priming of the deck is not required for attaching to wood surfaces when the temperature is above 40° F. Concrete or masonry decks should be primed with a solvent or water based primer that meets the requirements of ASTM D41 for asphalt based self-adhered membranes.• For re-roofing projects, any water damaged sheathing must be replaced, roof deck swept to remove dust, dirt and other loose materials including nails. Do not install over old roof covering materials.• Use of calcium products or salt for ice and snow removal is not recommended.

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APPLICATION	<ul style="list-style-type: none"> For best results TopShield® SecureGrip ICE & WATER should be installed on a dry roof deck when air temperatures, membrane and substrate is over 40° F (4.4° C). For “cold weather” applications of TopShield® SecureGrip ICE & WATER below 40° F (4.4° C) the use of a primer is required and the laps blind nailed. Blind nail with 1” or longer roofing nails with 3/8” head in the lap area. For steep slope installation (6:12 or greater) or when installing at temperatures greater than 100° F (38° C), it is recommended to blind nail the overlap areas as noted above in the cold weather applications. TopShield® SecureGrip ICE & WATER is to be laid out horizontally, parallel to the roof eave with mineral granule side up, using 3” horizontal laps and 6” vertical laps. TopShield® SecureGrip ICE & WATER may also be installed vertically. For vertical installations, anchor with 3/8” head roofing nails along the upper most edges 3” down with 6 equally spaced nails across the 36” sheet width Ensure that the roofing nails are installed perpendicular to the roof deck so the head lays flat and seals well into the top of the surface of the TopShield® SecureGrip ICE & WATER. Vertical overlaps are to be 6” and 3” on horizontal laps if required. Always work from the low point up to the high point of the roof surface. Apply the TopShield® SecureGrip ICE & WATER in valley areas before the membrane is applied to the eaves. It is recommended to cut the membrane into manageable lengths. Peel back 1 to 2 feet of the release liner, align the membrane and then continue to peel the release liner from the membrane. Hand press or walk the membrane onto the surface, then follow with a 40 pound or heavier pressure roller to smooth and secure the membrane, especially at overlap areas. If a roller is not available or considered safe in the circumstance, walk-in all laps and as much of the field area as possible to secure the adhesive into the pores of the roof deck and overlap areas. For eave installation TopShield® SecureGrip ICE & WATER should be applied over the metal drip edge at the eave. Do not fold the TopShield® SecureGrip ICE & WATER over the roof edge unless the roof edge is subsequently covered over by a drip edge or other flashing material. It is recommended that the TopShield® SecureGrip ICE & WATER be installed from the eave up the roof to a point 24” inside the exterior wall. This should be installed above the maximum ice dam build-up line in most geographic areas. Consult your local building code for specific requirements. For valleys and ridge applications, peel the release liner, center the sheet over the valley or ridge, and hand press in place. Important: it is important that the TopShield® SecureGrip ICE & WATER remain in direct contact with the roof deck in to and out of the valley areas. TopShield® SecureGrip ICE & WATER should never be suspended or “bridge” a valley. It is recommended to follow up this process with a roller or by walking on the surfaces. Give special attention to all perimeter edge areas. Repair holes, “fish mouths”, tears, and any other penetration damage to the membrane with a rounded patch of membrane extending past the damaged area by 6” in all directions. If fasteners are removed, leaving holes in the membrane or other penetrations are accidentally created, they must also be patched. Do not install fasteners through the membrane over any unsupported areas of the roof deck structure such as over joints between adjacent structural roof panels. For higher elevations, high wind or wind driven rain, it is recommended to cover the entire roof deck with TopShield® SecureGrip ICE & WATER.
PRECAUTIONS	<p>TopShield® SecureGrip ICE & WATER is not designed or intended for indefinite outdoor exposure. Final roof should be installed within 30 days of membrane installation. Depending on roof pitch and surface conditions, “blocking” may be required to support roofing materials placed on the roof. Remember to seal the fastener holes that secured that blocking after they have been removed. Protect any completed roof areas to avoid damage during roof installation and material transportation by installing protective boardwalks to enable passage of people, equipment and products across the area. Be careful not to load excess material on the roof deck in one area. Disburse the weight of material over structural supports where possible to prevent collapse of roof.</p>
CAUTION READ GOOD SAFETY PRACTICES BELOW	<p>As with any roofing product, always follow safe roofing practices and codes (OSHA) and always use and wear proper fall protection equipment when working on roofs. Release liners are slippery and should be removed from work area immediately after application. Use caution when walking or standing on TopShield® SecureGrip ICE & WATER as slip resistance may vary with surface conditions, weather, footwear and roof slope. Failure to use proper safety equipment and footwear can result in serious injury.</p>

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