

# ice & moisture block SBS

MBTechnology's **Ice & Moisture Block SBS** is a self-adhesive SBS modified rubberized asphalt membrane. It's reinforced with a fiberglass mat and finished with a fine granule/sand surfacing. The sealing adhesive is protected on the bottom with a split release sheet which is removed during application. The Ice & Moisture Block provides extra protection and prevents moisture penetration from windblown rain or ice damming. It is applied over critical roof areas such as eaves, ridges, valleys, dormers, and skylights under tile and shingle roofs.



MBTechnology's Ice & Moisture Block SBS is perfect for your project's  
① Ridge Line, ② Valleys, ③ Dormers, ④ Flashing applications,  
⑤ Skylights, ⑥ Eaves, and ⑦ Rake Edge.

## ICE DAM PROBLEM

In areas that experience rain or snowfall followed by freeze-thaw cycles, the problem of ice dam buildup is of great concern in building design. This condition is caused by meltdown of snow/rain, which then freezes to form an ice dam that prevents proper drainage. Water backs up behind the ice dam, gradually forcing its way under shingles and onto the roof deck, entering the building structure, and finally causing extensive water damage.

## FEATURES & BENEFITS

- Textured surfacing provides enhanced skid resistance.
- Rubberized asphalt compound seals around nails and screws. Split release film provides faster and easier installation.
- Fiberglass reinforcement provides stability during application.

## STORAGE

Store on end in a dry location. Keep material clean and away from excessive heat. Do not lie flat and keep off the ground. Store in areas where temperature is between 50°F and 90°F.

## LIMITATIONS

- The Ice & Moisture Block, when installed over an entire roof surface, creates an air and vapor barrier. The primary roofing system should be ventilated to prevent excessive moisture buildup in the interior of the building. This includes both ridge and soffit venting. Please consult a design professional, architect or an engineer for proper ventilation design.
- SA65G and SA65S shall not be used under metal roofs.
- Use extra caution during the installation as the surface may become slippery when wet or covered with snow.
- Appropriate fall protection methods should be used when working on roofs. Follow all the requirements as required by OSHA and local codes.
- The Ice & Moisture Block should not come in contact with membranes containing coal tar pitch.

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## APPLICATION

**Surface Preparation:** Surface must be smooth, free of irregularities, clean, and dry. Apply above 50°F. At temperatures below 50°F priming and nailing should be used to temporarily hold the membrane in place until ambient temperature allows adhesion. For re-roof application all shingles, roofing felt, and nails should be removed. Sweep thoroughly to remove all dust and dirt from deck. If adhesion is found to be marginal, application of an asphalt primer (ASTM D-41) will improve adhesion. All concrete surfaces should be primed prior to application of the membrane.

**Roof Deck:** Ice & Moisture Block should be applied from low to high point in a shingle fashion so that laps will shed water. Chalk lines can expedite application. Align first roll, or pre-cut piece, at lowest point of deck.

**Field Area:** To assure complete protection against ice dam buildup, the membrane must extend up the decking to beyond the highest point where an ice dam might form. Cut membrane in 12'-to-15' sections and re-roll. Starting from the lower edge of the roof and extending 3/8" from drip edge, remove 2-3' of release sheet and continue to peel it from the membrane; smooth and affix the membrane, using a heavy to medium bristle broom while removing the release film and pressing out all air pockets and voids as you proceed across the roof. Laps must be at least 4" on the sides and 6" on the end laps. The Ice & Moisture Block membrane is not designed for exposure to sunlight, and must be covered with a permanent roofing material.

**Valley and Ridge:** Pre-cut membrane in 6'-to-8' lengths, center the strips along the valley, and remove the release sheet as the membrane is pressed firmly into place, working from the valley up the sides. On ridges, center 6'-to-8' lengths of membrane over ridge line, and remove the release sheet as the membrane is pressed firmly into place, working down each side of the ridge slope toward the end. Air gaps and voids must be pressed from the membrane surface to assure complete adhesion to the deck. All laps must be at least 6 inches.

**Eaves and Rakes:** Cut self-adhesive SBS roofing underlayment into 10'-to-15' pieces. Remove 2-3' of release film and align the edge of the membrane, sticky side down, so it overhangs the drip edge by 3/8" (10 mm). Continue to remove the release film and press as you move across the roof. Use a hand roller and/or hand pressure to press into place.

Overlap end laps a minimum of 6 inches. The Ice & Moisture Block roofing underlayment should reach a point 2' inside the interior wall line. Local codes may require additional applications. If additional applications are required, the top lap must be at least 3 1/2 inches.

**Drip Edge:** At the rake edge, apply the self-adhesive SBS roofing underlayment first and place drip edge on top. At the eave, apply drip edge first and place MBTechnology roofing underlayment on top of the drip edge so that it overhangs drip edge by 3/8" (10 mm).

## Nominal Specification

Product ID	Ultrastick HT	SA65G	SA65S
Thickness (mils)	72	69	55
Weight (nominal lbs/roll)	72	79	65
Square feet/roll	216	198	198
Top Surfacing	Exposed Polyester Mat	Fine Slag	Sand
Rolls / Pallet	20	25	25
Usage	Metal Roof (Excluding Zinc), Tile	Ice & Moisture Barrier, Tile, Shingle	Ice & Moisture Barrier, Tile, Shingle  Base for Low Slope
Reinforcement	Polyester Mat	Fiberglass Mat	Fiberglass Mat
Exposure Time (Days)	180	60	60

Installers should familiarize themselves with project requirements and refer to the standard guidelines set forth in manuals published by NRCA and the Roof Tile Institute (if used under tile). All shingle and tile roofs shall be installed in compliance with specific manufacturers recommendations. Where there are difference in requirements the most stringent usually applies. All parties to any installation should be in full agreement before an installation is begun.

This product data sheet and application instructions were current at time of printing. To obtain a copy of the most current version of this product data sheet and application instructions,

visit us online at [www.mbtechnology.com](http://www.mbtechnology.com).

**WARRANTY:** Ice & Moisture Block is warranted to be free from manufacturer's defects. MBTechnology warrants that this product is free of defects, since many factors which affect the results obtained from this product - such as weather, workmanship, equipment utilized and prior condition of the substrate - are all beyond our control. We will replace at no charge any product proved to be defective that substantially affect performance within 12 months of purchase, provided it has been applied in accordance with our written directions and building codes. Proof of purchase must be provided. Disclaimer of warranties and limitation of liability: this limited warranty is in lieu of any other warranties expressed or implied including but not limited to any implied warranty of merchantability or fitness for a particular purpose. Manufacturer shall have no liability of any kind beyond product replacement, including for consequential or incidental damages resulting from any defects or any delays caused by replacement or otherwise. This limited warranty provides the purchaser's exclusive remedy for any defect in the product. This limited warrant is in addition to and supplemented by the product warranty located on our website and applies to this product.



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