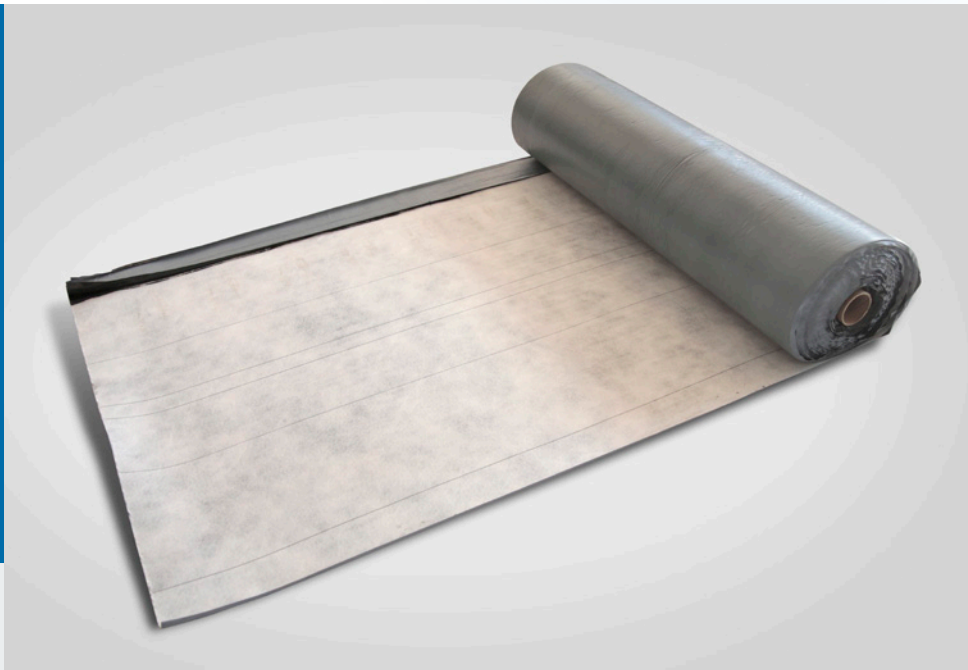
ice & moisture block SBS®

MBTECHNOLOGY®
SUPERIOR ROOFING & UNDERLAYMENT SYSTEMS
Since 1983

UltraStick-HT
High Temp Underlayment

USAGE:

Ultrastick is made for tile (foam and mechanically adhered), metal roof, concrete and also adhesive set tile systems. It is specially formulated to withstand high temperatures (up to 240°F). The rubberized compound enables the membrane to seal around nails (on weathering surface).



FEATURES:

- MANUFACTURED WITH SLIP RESISTANT POLYESTER SURFACING.
- SUPERIOR TEAR RESISTANT FACER.
- TILE CAN BE ATTACHED WITH MECHANICAL FASTENERS OR ADHESIVE.
- 30 YEAR LIMITED MATERIAL WARRANTY.
- PROTECTS AGAINST WIND, RAIN AND ICE DAMS.

TECHNICAL DESCRIPTION

TEST METHOD	PROPERTY	REQUIRED	RESULTS
ASTM E96	Moisture Vapor Permeance, U.S. perms	≤0.1	**0.04***
ASTM D1970	Adhesion to Plywood @ 40°F, lbf/ft width	≥2.0	**7.3**
ASTM D1970	Adhesion to Plywood @ 75°F, lbf/ft width	≥12.0	**119.0**
ASTM D1970	Sealability Around Nail	PASS	**PASS**
ASTM D1970	Waterproof Integrity of Lap Seam	PASS	**PASS**

*Meets Class 1 Vapor Retarder as defined by the IBC.

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APPLICATION:

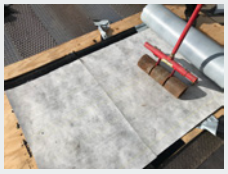
- Apply to clean and dry surfacing.
- Apply membrane parallel to the slope and install from lowest point on the roof deck so that laps will shed water.
- Back-nail all the rolls on the side laps (3” selvedge area) and 12” O.C. Use a minimum of 11 gauge, ring shank type and apply with a 1” disk.
- Roll all the selvedge area with a roller to ensure a complete bond and remove any void.
- Priming is not required for surfaces that are clean, smooth and dry, except for areas where membrane is adhered to a concrete, insulation and masonry substrate. All such surfacing shall be primed and an asphalt primer (Meeting ASTM D-41).

3 INSTALLATION OPTIONS:


SEALED SEAM

Apply SBS modified mastic under all laps and onto the top white surface of UltraStick-HT to ensure a completely watertight seal. All laps must be minimum 6”.

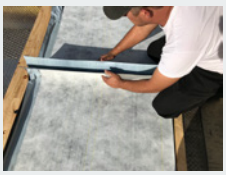




INVERTED SHEET SEAM (NOT ALLOWED IN HURRICANE ZONES)

Cut a 12” strip of ultrastick and invert (flip over) on the roof deck in a position that half will be under the end of the adjoining sheets. Tack the strip into place before setting the sheets.

Lap the adjoining sheets onto the inverted strip and press the sheets together to form a solid bond. Roll the seams with a seam roller to assure complete adhesion.



BACK TO BACK FOLD SEAM

- Bring the two ends together a minimum of 6”.
- Marry the two sides with adhesive together, press the two sides together making sure ultrastick is free of voids.
- Fold over the flap and press down.
- All end laps shall be covered a minimum of 6” and covered with a high-quality trowel grade SBS mastic. MBTechnology flashing cement is acceptable.
- Apply a bed of MBTechnology flashing cement on any metals, vents, stacks, chimneys and other roof accessories
- All self-adhesive membranes need to be rolled to ensure full contact with the surfacing. The use of a minimum 50 lb roller will facilitate this. On steep slopes the use of a brooming is also acceptable.
- MBTechnology recommends that all selvedge areas are back-nailed. Fasteners shall be centered within the 3” selvage and placed 12” O.C. Use fasteners with a minimum of 1” disk size and 11 gauge ring-shank type. To maximize contact on selvedge edge roll entire selvage area with a hand roller.
- MBTechnology recommends contractor follow good roofing practice and more stringent requirements as outlined in NRCA roofing manual and tile roofing institute.

Tile Loading & Stacking

1. Prior to stacking tiles on the membrane ensure that the membrane has gone through one thermal cycle to maximize bonding to the substrate.
2. Don’t stack more than 6 tiles; if the slope is high, reduce number of tiles to minimize any possible slippage or tiles falling off the roof.
3. For slopes of 6:12 or higher install battens prior to application of tile.
4. MBTechnology does not assume any responsibility for damaged or lost tiles due to slippage. Contractor shall use above instruction as a guideline and take into account local conditions such as weather.

Ventilation

Since self adhesive membranes provide a solid bond to the surface to which they are adhered to it’s imperative that this membrane is not applied on decks over unventilated space, or areas where a spray foam has been applied directly to underside of the deck. Doing so will result in product failure or degradation of substrate. It is responsibility of contractor / designer to ensure that adequate ventilation is incorporated in the system to prevent moisture buildup.

⚠ WARNING: This product can expose you to chemicals including benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

⚠ ADVERTENCIA: Este producto puede exponerle a químicos incluyendo benzene, que es conocido por el Estado de California como causanta de cáncer y defectos de nacimiento u otros daños reproductivos. Para mayor información visite www.P65Warnings.ca.gov

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