

iSTIK™ SU 40

Peel & stick roofing underlayment

DESCRIPTION

iStik SU 40 is sbs modified bitumen based self adhesive membranes used as a secondary barrier for waterproofing of steep slope roofs under asphalt shingles, metal, concrete and clay tiles, slates and wood shakes.

TYPICAL APPLICATIONS

Istik SU 40 can also be used on slopes down to 1/2 : 12 under standing seam metal roof panels and lapped, non soldered seam metal roofs with applied lap sealant. Please follow all local building codes applicable to your job site. A copy the installation guide should be available at the job.

PRE - APPLICATION CHECKS

- Read all the instructions on the relevant product technical data sheet and application instructions before commencing application
- Applications should be done keeping all guidelines laid out by the local authorities. A copy of the manufacturer's installation instruction should be made available at the site for easy reference
- Follow the recommendations of the roof covering manufacturer, Asphalt Roofing Manufacturers Association (for Asphalt shingles), Tile roof institute (for clay or concrete roof tiles) and the metal roof alliance (for metal roof panels)
- Installation of iStik SU 40 involves working at higher levels. Follow safe working codes as per OSHAS guide lines to ensure safety. Necessary precautions like safety harnesses, protection gears and equipments and fall protection devices should be used for avoiding injury in the event of tripping, slipping and other accidents
- Please make sure that the membrane that is going to be used has not expired. Dates are mentioned clearly on the packaging. Also make sure that the product was stored well before start of the application

STORAGE

- iStik SU 40 should be stored at room temperature preferably between 40°F and 90°F, upright in the original cardboard packaging in a dry properly ventilated area
- Please only remove rolls from the storage area on the day of the usage
- If the recommended temperature range storage area is not available, it is recommended that the material be heated to a minimum temperature of 40°F prior to application

PREPARATION

- Substrates that can Istik SU40 can be applied over are Plywood, OSB, Wood composition, wood plank, Insulation boards, metal, concrete, gypsum sheathing and 30 lb felt
- Ensure the deck surface is free of nails, protrusions and other debris that can possibly damage the product; it should have a smooth even surface, with no voids, and the deck should be moisture free. Priming is not required for attaching to wood surfaces when the temperature is above 40°F. Concrete and masonry decks should be primed with a solvent or a water based primer that meets ASTM D41 for asphalt based self-adhesive membranes
- For Re-roofing projects please replace any water damaged sheathing and clean the roof deck and make sure it is free of dust, dirt, and loose nails. Do not install over old roof covering
- Please do not use salt for ice removal over the surface

APPLICATION

- Istik SU 40 should be applied on a dry deck for best results. The decking substrate should be acceptable to the roof covering manufacturer
- For cold weather applications below 40°F a primer should be used and the laps blind nailed. Blind nail with 3/8" head roofing nails of 1" or longer in the 3" overlap area marked with a "+" symbol
- For steep slope applications (6:12 or greater) or when installing at temperatures greater than 100°F it is recommended to blind nail the overlap area as instructed above for cold weather applications

- Cut iStik SU 40 to required lengths and let the pieces ease for 3 -5 mins. This helps relieve the stress build up during the winding process and reduces changes of shrinkage and movement after installation.
- Lay the first piece at the lower edge, laying the SU 40 parallel to the eaves edge flush with the outside of the primed drip edge. The lower edge of the underlayment is the one without the selvedge edge.
- Peel the release liner up to 2 ft from an edge and stick the membrane firmly. Re-roll the membrane using the same core that the membranes is wound on or any similar size pipe. Remove the release liner as the roll is unrolled. Press the membrane in to place to avoid any air pockets.
- Alternately, remove the release liner on the upper half and press the membrane in to place. later remove the lower half and then press the membrane into place.
- iStik SU 40 may also be installed vertically. For vertical installation anchor with 3/8" head roofing nails along the upper most edge 3 inches down with 6 equally spaced nails across the 36" width. Ensure Roofing nails are perpendicular to the roof deck so that the head lays flat and seals well to the top surface of iStik SU 40. Vertical overlaps must be minimum 6" and horizontal overlaps must be minimum 3".
- Always work from the low point to the high point of the roof. Apply the membrane in valleys before the membrane is applied to the eaves.
- For valley and ridge application, peel the release liner, center the sheet over the valley or ridge, drape, and press it in place. Work from the center of the valley or ridge outward in each direction and start at the low point and work up the roof.
- For eave application iStik SU 40 should be applied over the metal drip edge at the eave. Do not fold iStik SU 40 over the roof edge unless the edge is subsequently covered over by a drip edge or other flashing material. It is recommended that iStik SU 40 extend from the eave up the roof to a point 24" inside the exterior wall. This should be above the maximum ice dam buildup line most areas. Consult your local building code for specific requirements.
- Repair holes, fish mouths, tears and any other penetration damage to the membranes with a round 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 produced, they must also be patched.
- Do not install fasteners through membrane over any unsupported areas of the structural deck, such as over joints between adjacent structural panels.
- For high elevation, high wind or wind driven rain we recommended that you cover the entire roof deck with Epistik Plus.
- Ensure that iStik SU 40 is not exposed to sunlight or weather elements for more than 180 days. It is mandatory that the membrane is temporarily covered if left exposed indefinitely.

REFERENCES:

- Roofing practices per OSHA 29CFR
- Fall Protection per OSHA 1926.502
- Applicable State & Local building codes

Disclaimer: All technical data of this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control. Please note that because of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields. Information on this data sheet is subject to change without notice and should not be used for writing specification. For additional information on specific applications, please contact INNOBIT. The information contained herein, provides recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted based on the contents of this data sheet, or any verbal advice given, unless there is a case of willful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product. Innobit reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned copies of which will be supplied on request. All values given are subject to 5 - 10% tolerance. #Values achieved within 7 days after casting specimen at 25°C and 50% RH.