



# LASTOBOND SHIELD HT

LASTOBOND SHIELD HT (71)

Order No. D10510

## DESCRIPTION

Lastobond Shield HT is a self-adhered non-reinforced underlayment composed of special elastomeric modified bitumen blends of SBS and other polymers. Lastobond Shield HT is designed to be used under metal and tile roof systems and is available in split-back release material. Lastobond Shield HT can be exposed for periods up to ninety (90) days before the roof assembly is installed. Foot and equipment traffic, especially on steeper sloped roof areas can affect the finished surfacing and water tightness of the sheets. Traffic should be limited until specified roof assembly is installed.

## COMPOSITION, PACKAGING & TECHNICAL DATA

Product/ Property	LASTOBOND SHIELD HT
Elastomeric Bitumen	blend of bitumen & SBS polymers
Topside	tri-laminate polyethylene
Underside	self-adhered with release material
Approx. Nominal Thickness	40 mils (1.0 mm)
Approx. Gross Roll Coverage	200 ft <sup>2</sup> (18.6 m <sup>2</sup> )
Side Lap (if applicable)	3" (76 mm)
End Lap (if applicable)	6" (152 mm)
Roll Length	67 feet (20.5 m)
Roll Width	36" (914 mm)
Approx. Roll Weight	43 lbs (20 kg)
Rolls Per Pallet*	25 boxed rolls
*Rolls stacked upright on pallet	

TECHNICAL INFORMATION		
Test Results ASTM D1970	LASTOBOND SHIELD HT	
Load strain properties @ 77° F (25° C)	MD	XD
Maximum load (lbs/inch)	64	88
Elongation @ maximum load (%)	52	24
Low Temperature Flexibility	-22° F (-30° C)	
Peel Resistance on plywood (ASTM D903)	11.4 lbs/ft	
Maximum Service Temperature	240° F (116° C)	
Water Vapor Permeance perm (ng/Pa · s · m <sup>2</sup> ) per ASTM E 96	0.017 (0.92)	
Air Permeability, (L/sec · m <sup>2</sup> ) per ASTM E 283 (75 Pa)	<0.007	
Test results for manufacturing plant in Wadsworth, OH		

## LIMITATIONS

- Minimum application temperature is 50° F (10° C).
- The roofing cover should be installed as soon as possible following the installation of Lastobond Shield HT.



## APPLICATION INSTRUCTIONS

The Lastobond Shield HT membrane is bonded to a properly prepared, dry (not damp), clean substrate which is defined as, but is not limited to: free of dirt; dust; debris; oils; unadhered coatings; any other contaminants that may result in a surface that is not sound or is un-even and affects the adhesion of the membrane to the substrate. Acceptable substrates for Lastobond Shield HT are plywood, OSB, wood plank or composition, concrete, or masonry. Other surfaces may be acceptable, but the installer is responsible to determine substrate surface quality and whether priming is required so that Lastobond will stay adhered to that substrate.

Installation of Lastobond Shield HT membranes occur when the release material is removed and the self-adhesive underside is matted onto the approved substrate using applied pressure. Starting at the low point, position a full roll or cut the membrane into ten to fifteen (10' to 15') feet (3 to 5 m) lengths and re-roll loosely. Peel back one to two (1' to 2') feet (300-600 mm) of release material, align the membrane, and continue to peel the release film from the membrane. Press the membrane in place with heavy hand pressure. Apply pressure to the membrane roll side and end laps to insure water tightness and bonding to the substrate. Membrane installation must not prevent ventilation of existing structure.

Always work from the low to the high point of the roof. Follow good roofing practice by orientating Lastobond Shield HT so side laps shed water. Apply the membrane in valleys before the membrane is applied to the eaves. For valley and ridge application, peel the release material, center the sheet over the valley or ridge, drape, and press it in place. Work the center of the valley or ridge outward in each direction. Following placement along the eaves, continue application of the membrane up the roof. If nailing of the membrane is necessary on steep slopes during hot weather, back nail and cover the nails by overlapping with the next sheet. Extend Lastobond Shield HT to the height as recommended by the local building code or to the highest locally expected level in order to maintain water tightness from wind driven rain, headwater back-up, ice dams and snow load.

Install discontinuous and water shedding finished roof materials in accordance with roof supply manufacturers installation guidelines, requirements and local building codes with the most stringent requirements prevailing.

## SPECIFIER NOTES

Specifiers use Lastobond Shield HT as a vapor retarder, air barrier and as shingle/tile underlayment. The Specifier and/or end-user are responsible for other type installations. Specifiers and underlayment installers must check with the individual metal roof system manufacturers to determine what limitations their metal or metal roof systems might have when an asphalt based material, which can be classified as a vapor retarder, is placed in close proximity to various finished insulated and non-insulated metal colors.

## APPROVALS

See Underwriters Laboratories Inc. File #R21824, FM Approvals, ICC/ES, Miami-Dade County or Florida Building Code Product Approval Listings for current Approved Roof Assembly combinations. Soprema is ISO-9001:2008 Certified.

## WARRANTY

Lastobond Shield HT meets Soprema's manufacturing material specification requirements.