



EXCEPTIONAL® HT

Product Data Sheet

Product Description

EXCEPTIONAL HT (high temperature) is a self-adhesive roof underlayment and eave protection membrane composed of SBS modified bitumen. The surface is slip resistant tri-laminate woven polyethylene, while the underside is covered with a "split-back" silicone release film.

With its specially developed bituminous formulation, EXCEPTIONAL HT is designed to withstand service temperatures up to 240° F (116° C).

EXCEPTIONAL HT can provide a durable, walkable, temporary surface that protects the decking for up to 90 days until an EXCEPTIONAL Metals roofing system can be installed. EXCEPTIONAL Metals does not warrant the water tightness of EXCEPTIONAL HT when used as a temporary surface. Temporary surfaces do not carry any type of warranty and must only be used under the direction of a licensed roofing consultant or architect.



Ordering

Rolls may be ordered individually. Each roll measures 3 ft. by 67 ft. (0.91 m by 20.42 m). Net coverage area after overlaps is approximately 184.3 ft² (17.12 m²).

- 40-lb (18.14-kg) roll (Item #2993).

Storage and Handling

- Always store in a dry location protected from the elements. The product should be kept between 49° F to 239° F (-45° C to 115° C).
- Rolls must be stored upright with the selvage side on top. If the product is stored outdoors, cover it with an opaque cover after removal of the delivery packaging.

Precautions

- Read Safety Data Sheets (SDS) prior to using.
- Wear proper personal protective equipment, such as gloves and eye protection, per the SDS.

Limitations

- Recommended ambient and surface temperature before application should be 50° F (10° C) and rising.
- Do not use during wet weather.
- Do not use on wet surfaces.
- Do not use on dirty or greasy surfaces.
- Do not use on surfaces that show signs of deterioration or loss of structural integrity.
- Do not use product after expiration date.
- Approved substrates:
 - ◆ Plywood
 - ◆ Oriented strand boards (OSB)
 - ◆ Asphaltic boards
 - ◆ Wood plank
 - ◆ Concrete
 - ◆ Masonry

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Installation

1. It is recommended that the substrate be primed with EXCEPTIONAL HT Primer if EXCEPTIONAL HT is not covered within 72 hours of the EXCEPTIONAL Metals roofing system installation.
2. Align each sheet to achieve a side lap of 3 inches and an end lap of 6 inches.
3. Peel off the silicone release film by pulling diagonally away from the side laps.
4. Using a hand roller, apply pressure to the whole surface to ensure good adhesion between overlaps and to the substrate.

TABLE 1. PHYSICAL PROPERTIES ²		
	Standards	Results
Thickness	-	40 mils
Weight	-	0.20 lb/sqft
Breaking Strength	ASTM D 1970	63 lbf/in x 68 lbf/in ¹
Elongation	ASTM D 1970	30% x 20% ¹
Tear Resistance	ASTM D 1970	84 lbf x 90 lbf ¹
Static Puncture	ASTM D 5602	90 lbf
Adhesion to Plywood, 40° F	ASTM D 1970	3.5 lbf/ft
Adhesion to Plywood, 75° F	ASTM D 1970	55 lbf/ft
Low Temperature Flexibility	ASTM D 1970	Pass at -22° F
Water Vapor Permeance	ASTM E 96	< 0.037 perm
Nail Sealability	ASTM D 1970	Pass
¹ Values are shown for both machine and cross machine directions. The machine direction results are listed first.		
² All values are nominal.		

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