

SPECIFICATION INFORMATION

1.0 PRODUCT NAME

Ensure™ Hi-Tac 15/30 High Performance Roofing Underlayment

2.0 MANUFACTURER



Insulation Solutions®

Insulation Solutions, Inc.
401 Truck Haven Road
East Peoria, IL 61611

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Toll Free: 866 698-6562
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3.0 PRODUCT DESCRIPTION

3.1 BASIC USE:

Ensure Hi-Tac 15/30 is a cross-woven synthetic underlayment designed to replace 15 lb. felt underneath various types of roofing materials.

Ensure Hi-Tac 15/30 is durable, tear resistant and lightweight.

3.2 COMPOSITION & MATERIALS:

Ensure Hi-Tac 15/30 consists of HDPP laminated to point bonded PP coated with high COF co-polymers for traction.

3.3 SIZE

Ensure Hi-Tac 15/30 is available in 4' x 250' rolls.

3.4 WEIGHT

Ensure Hi-Tac 15/30 weighs approximately 2.9 oz per sq yd

3.5 BENEFITS & FEATURES

Cross woven construction provides superior tear strength and durability compared to 15 lb. felt.

Covers 10-Squares per roll

4.0 TECHNICAL DATA

4.1 APPLICABLE STANDARDS

- **ICC-ES AC 188** Acceptance Criteria for Roof Underlayments
- **ASTM D 751** Standard Test Methods for Coated Fabrics
- **ASTM D 1910** Test Methods For Construction Characteristics of Woven Fabrics
- **ASTM 4869** Standard Specification for Asphalt Saturated Organic Felt Underlayment Used in Steep Slope Roofing
- **ASTM D 1777** Test Methods for Thickness of Textile Materials
- **ASTM E 108** Standard Test Method for Fire Tests of Roof Coverings

5.0 INSTALLATION

PREPARATION

- 5.1 Make certain the roof deck is clean, smooth, dry and free from debris and damages.

PLACEMENT

- 5.2 Ensure Hi-Tac is laid horizontally (parallel to eave) with printed side up. Plastic cap fasteners recommended to secure properly. The plastic cap fastener should be a minimum of 1" in diameter.

- 5.3 Top and bottom overlap should be 4" as indicated on the product. Place the fasteners 2" in from the edge of the top and bottom laps. End overlaps should be 12" minimum and fastened at 12" OC, vertically along the overlaps and 2" in from the end of the top layer. Roofing nails are acceptable for metal roofs.

- 5.4 The plastic cap fasteners should be driven tight to the surface without cutting the sheet. For seams, joints or tears, repairs may be made by using flashing tape or equivalent.

- 5.5 Ensure Hi-Tac should be extended 12" past all hips and valleys.

- 5.6 Ensure Hi-Tac installed on less than 4:12 slopes should be applied in a double coverage method. Overlapping by the normal 4" application is acceptable and the use of staples will be sufficient. Fastening can be through both layers.

- 5.7 In areas when the requirement of the roof is to have an ice dam membrane or an ice barrier under Chapter 15 of the IBC, two layers of underlayment must be cemented together with a roofing cement complying with ASTM D 4586 and extended for at least 24 inches inside the exterior wall line of the building.



PROPERTIES	TEST METHOD	ENSURE® HI-TAC 15/30
Thickness (Nominal)	ASTM D 1777	7 mil
Total Fabric Weight (oz)	ASTM D 1910	2.9 oz per sq yd
Tensile Strength	ASTM D 5034	MD 106.1 lbs / CD 104.3 lbs
Elongation	ASTM D 751	16%
Maximum Use Temperature	N/A	220° F
Minimum Use Temperature	N/A	-40° F
Surface Burning Characteristics	ASTM E 108	Class A
Ultraviolet Resistance	ICC-ES AC 188	Pass
Water Transmission	ASTM 4869	Pass
Water Ponding	ICC-ES AC 48	Pass
Pliability	ASTM D 1970	Pass

6.0 AVAILABILITY & COST

Ensure Hi-Tac is sold through construction supply houses across the United States and Canada.

Ensure Hi-Tac current cost information can be obtained by calling our corporate sales office at 866-698-6562.

7.0 WARRANTY

25 Year Warranty. Contact Insulation Solutions (866-698-6562) for further information.

8.0 MAINTENANCE

Ensure Hi-Tac requires no maintenance.

9.0 TECHNICAL SERVICES

Technical information and detailed test results can be obtained by calling our corporate office at 866-698-6562.

10.0 FILING SYSTEMS

Additional information can be obtained by calling our corporate office at 866-698-6562 or online at www.insulationsolutions.com.

Note: To the best of our knowledge, the specification chart on page one lists typical property values and are intended as guides only, not as specification limits. Insulation Solutions Inc.® makes no warranties as to the fitness for a specific use or merchantability of products referred to, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.

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