

# PRO-PLUS ENSURE™

ROOFING FELT & UNDERLAYMENT DIVISION: 070000, 073005

## SPECIFICATION INFORMATION

### 1.0 PRODUCT NAME

Ensure™ Pro Plus High Performance Roofing Underlayment

### 2.0 MANUFACTURER



**Insulation Solutions®**

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

Engineering Assistance  
Toll Free: 866 698-6562  
Fax: 309 698-0065  
[www.insulationsolutions.com](http://www.insulationsolutions.com)

### 3.0 PRODUCT DESCRIPTION

#### 3.1 BASIC USE:

Ensure Pro Plus is a premium cross-woven synthetic underlayment designed to replace 30 lb. felt underneath various types of roofing materials.

Ensure Pro Plus is durable, tear resistant and lightweight.

#### 3.2 COMPOSITION & MATERIALS:

Ensure Pro Plus consists of HDPE laminated to point bonded PP coated with high COF copolymers for traction.

#### 3.3 SIZE

Ensure Pro Plus is available in 4' x 250' rolls.

#### 3.4 WEIGHT

Ensure Pro Plus weighs approximately 4.13 oz. per sq. yd.

### 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 Slop 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 Pro Plus 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 Pro Plus should be extended 12" past all hips and valleys.
- 5.6 Ensure Pro Plus 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® PRO PLUS
Total Fabric Weight (oz)	N/A	4.13 oz per sq yd
Grab Breaking MD/CD (lbs)	ASTM D 4632	MD 127 lbs / CD 130 lbs
Elongation MD/CD (%)	ASTM D 2523	MD 18% / CD 18%
Unroll-ability	AC 207 / ASTM D226	Pass
Pliability	AC 207 / ASTM D226	Pass
Liquid Water Transmission	AC 207 / ASTM D226	Pass
Fastener Pull Through Resistance	AC 207 / ASTM D226	Pass
Tear Resistance	AC 207 / ASTM D226	Pass
Accelerated Aging	AC 207 / ASTM D226	Pass
Ultraviolet Exposure	AC 207 / ASTM D226	Pass

## **6.0 AVAILABILITY & COST**

Ensure Pro Plus is sold through construction supply houses across the United States and Canada.

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

## **7.0 WARRANTY**

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.

## **8.0 MAINTENANCE**

Ensure Pro Plus 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](http://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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