

# ALL WEATHER HTSA 90

## Product Data Sheet



**All Weather HTSA 90** is a Self-Adhered High Temperature Underlayment and is designed and manufactured to be a secondary water barrier in sloped roof system construction where toughness and longer exposures may be required. All Weather HTSA 90 is an air, water and vapor barrier and must be installed only above properly ventilated spaces.

**All Weather HTSA 90** replaces the use of #15 or #30 organic roofing felt and is designed for residential use under primary roofing materials such as; asphalt or synthetic shingles, metal, tile, slate, cement, and primed cedar shakes.

**All Weather HTSA 90** should be stored at temperatures between 50 and 90 degrees, upright indoors, in a dry and ventilated area.

**All Weather HTSA 90** is applied by removing the poly release film and adhering the membrane by direct pressure contact to the desired substrate. Warm weather conditions and exposure to direct sunlight are essential for proper adhesion. Application should be made when ambient temperatures are 50°F (10°C) or higher. Note: Self-adhered membranes will not activate if installed in below recommended temperatures and/or if material temperature is below 70°F (21°C). Deck must be clean, dry and free of voids. Cut All Weather HTSA 90 into manageable lengths before installation. Peel back 1 to 2 feet of the release film and stick the membrane directly over the roof deck or insulation, unroll membrane and realign at opposite end. Once set, the film can be removed. Press membrane into substrate to make full contact. Side laps must be a minimum of 3 inches and end laps a minimum of 6 inches. Underlayment Method: Align membrane with the gutter edge and extend coverage at least 3 feet inside the exterior wall or the highest point of damming. Note: When covering the entire roof deck with All Weather HTSA 90 the roof system must include proper ventilation, including both ridge and soffit venting. All installed All Weather HTSA 90 must be covered and not left exposed for more than 90 days.



Physical Properties	Test	Requirement
Surface Color		Gray
Surface Type		Woven Synthetic
Reverse Side Release Surface		Silicon Poly Split Film
Weight Per Square		22.5 lbs
Nail Sealability	ASTM D1970	Pass
Permability	ASTM E96	.015 perms
Nominal Thickness	ASTM D5147	42 mils
Tensile Strength	ASTM D412 C	TBD
Thermal Stability	ASTM D1970	TBD
Elongation	ASTM D412 C	<15%
Low Temp Flexibility	CGSB 73GP56M	No Cracks @ -20C
Tear Resistance	ASTM D1970	TBD
Adhesion to Plywood	ASTM D903	60 lbf/ft
Water Absorbtion	ASTM E96	.25%

## All Weather HTSA 90 Roll Specifications

Length per roll	66.7' (20.3m)	Rolls per pallet	36
Width per roll	36" (.914m)	Pallet Weight	1,600 lbs
Weight per roll	44 lbs (19.9 kg)	UV Resistance	90 days
Gross roll size	200 sq ft (18.6 sq m)		

All values given are approximate and are subject to change without notice. There is no implied or express warranty given through these values or statements, nor are there any assertions that the product purchased has been individually tested to conform to these standards. Testing is performed on a random basis by "in-house" and independent "third party" evaluation for the purpose of classification and or approval. Acceptance, purchase and selection of these products are the sole responsibility of the buyer or buyer's representative. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY U.S. PLY, INC. EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



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