

# ms-HT Underlayment

## Metal Sales Manufacturing Corporation

### DESCRIPTION

ms-HT, Metal Sales Hi-Temp Underlayment, is a SBS modified bitumen self-adhesive membrane intended to be used as a roofing underlayment. It has a slip resistant surface composed of a polyethylene woven complex. This surface allows the use of ms-HT on various slopes. ms-HT will seal around penetrating fasteners.

Because of its specific bituminous formulation, ms-HT is designed to withstand surface temperatures up to 240° F. It can therefore be used under metal roofing and under asphalt shingles. ms-HT should be installed in temperatures above 50° F. The roof covering should be installed as soon as possible following the installation of ms-HT. Maximum exposure time of ms-HT before panel installation is 90 days. ms-HT is not intended to be the primary weather barrier. ms-HT can also be used as a vapor barrier behind walls. ms-HT requires continuous support, such as rigid insulation or plywood. The lap along the side should be 3" minimum. The lap at the end should be 6" minimum.

### SURFACE PREPARATION

The use of a primer enhances the adhesion strength of self-adhesive membranes.

### TESTING AND APPROVALS

FBC 2023: FL14392.1

Miami-Dade NOA: 20-0331.01, Expires 9/29/2025

UL Evaluation Report: UL ER21824-01

### PERFORMANCE CHARACTERISTICS *(All values are nominal)*

Properties	Standards	ms-HT
Thickness	-	40 mil
Dimensions	-	67' x 3'
Gross / Net Coverage per Roll	-	200 ft <sup>2</sup> / 183 ft <sup>2</sup>
Roll Weight	-	45 lbs
Top Face	-	Textured Film
Underface	-	Silicone Release Sheet
Breaking Strength, MD / XD	ASTM D 1970	64 lbf/in / 88 lbf/in
Ultimate Elongation, MD / XD	ASTM D 1970	52% / 24%
Static Puncture	ASTM D 5602	90 lbs
Lap Adhesion	ASTM D 1876	11.4 lbf/in
Peel Strength	ASTM D 903	17.5 lbf/in
Tear Resistance, MD / XD	ASTM D 5601	84 lbf / 90 lbf
Max Service Temperature	ASTM D 1970	240° F
Cold Bending	ASTM D 1970	-20° F
Water Vapor Permeance	ASTM E 96	0.03 perm
Air Permeability	ASTM E 283	<0.007 L/sec m <sup>2</sup>

#### ms-HT is an ISO 9001 Certified product.

Metal Sales may modify the composition and/or utilization of its product without prior notice. Consequently orders will be filled according to the latest specifications. General information is provided on this Product Data Sheet. Physical property average values are based on accepted test standards conducted under controlled laboratory conditions. These values are not minimum standards since they can vary due to normal manufacturing processes: Metal Sales is not obligated to manufacture Product(s) to particular project specification requirements unless agreed to in advance by Metal Sales. It is the roofing contractor's (Purchaser) responsibility to order and purchase materials that meet a particular project specification.

1105 1888 / 4-24

800.406.7387  
metalsales.us.com

 **Metal Sales**<sup>TM</sup>