



OX Engineered Products
22260 Haggerty Road Suite 365
Northville, MI 48167
p. 1.800.345.8881
f. 248.289.9955
oxep.com

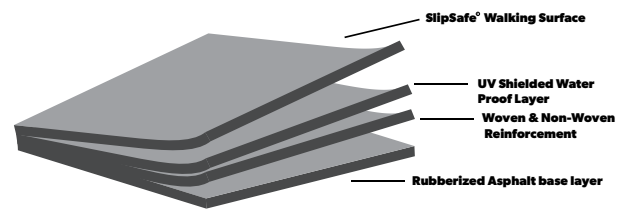


toughSKIN^{HT}

ice & water guard™ by **OX**

With Slipsafe® Technology

ToughSkin HT Ice & Water Guard™ is a self-adhered underlayment that consists of our ToughSkin® Slipsafe® Technology coated with a rubberized asphalt adhesive. This technology allows for a superior adhesion over a large range of temperatures, including high temperature applications such as metal roof systems. Our skid-resistant surface includes our high tensile strength ToughSkin® design while staying lighter for easier handling.



Strong Adhesion

The rubberized asphalt adhesive maintains adhesion and sealability over a large temperature range

Watertight Laps

Membrane easily forms water-tight overlaps due to the topcoat adhesion strip

Slipsafe® Technology

Self-adhered membrane has a slip resistant embossed surface for optimal traction

Environmentally Friendly

No oil leaching - no hazardous material content

Product Name:**ToughSkin HT Ice & Water Guard™****Product Description:**

ToughSkin HT Ice & Water Guard™, a self-adhered underlayment, consists of a facer film which comprised of woven and nonwoven layers laminated together along with a rubberized asphalt adhesive on the back side along with a siliconized release film.

Standard roll size is 36" wide x 67' long, or 200 sq ft

Guidelines for Use:

ToughSkin HT Ice & Water Guard™ roofing underlayment for sloped roofs to resist water penetration due to water back-up behind ice dams or wind-driven rain.

Attributes

- Usage-for use as an underlayment on all sloped roof coverings including slate, tile, cedar shakes, metal, and traditional asphalt shingles
- Seals around fasteners-the rubberized asphalt adhesive in the membrane seals around fasteners, resisting leakage caused by water back-up behind the ice dams or from wind driven rain
- Deck Adhesion-the self-adhesive membrane bonds firmly to the roof deck without the need for mechanical fasteners
- Watertight Laps- the membrane forms a watertight overlap due to the top coat adhesion strip
- SlipSafe® Technology provides the ultimate in traction making the work surface safer during installation
- Membrane will not crack, dry out or rot
- Enhanced UV-180 days exposure
- Class A Fire Rated ASTM E 108 (as part of system)
- Siliconized release liner is easy to remove and light weight for handling purposes

Technical Data for Tough Skin HT Ice & Water Guard™

Physical	Nominal Value	Unit	Testing
Nominal Thickness	45	mils	
Width	36	inch	
Length	67	ft	
Area	200	Sq Ft	
Weight	60	Lbs	
Mechanical			
Adhesion to Plywood @75 degree F	>12 L	Lbs/ft	ASTM D903
Thermal Stability	240	degree F	ASTM D1970
Nail Sealability	Pass		ASTM D1970
Flexibility @ -20 degree F	Pass		ASTM D1970
UV Rating			
Exposure Period	Six Months		ASTM G154
Permeability			
MVTR	<.02 Perms		ASTM E96-A
Fire Rating			
Fire Rating	Class A		ASTM E108