



# INTELLI WRAP

UV Resistant Vapor Permeable Water Resistive Barrier

## Material

IntelliWrap™ UV is a mechanically attached vapor-permeable water resistive barrier (WRB) from IMETCO®, for façade systems with open joint claddings. It is a watertight, tear-resistant polyester membrane that helps protect building enclosures from damaging effects of moisture infiltration. Its high vapor permeance allows moisture within the cavity to escape. With its special UV-stabilized acrylic coating, IntelliWrap UV is suitable for all backvented facing construction featuring open joints.

## Properties

IntelliWrap UV is highly stabilized against damage from UV exposure. It is designed for use in cladding systems that have open joints of up to 2" (50 mm) wide, which expose up to 40% of the entire facade surface. It acts as a durable drainage plane, channeling bulk (liquid) water from wind-driven rain and snow

to the outside of the structure. IntelliWrap UV is very light-weight and tear-resistant. This membrane withstands the rigors of jobsites, as well as tough wind and weather. Its performance is unaffected by surfactants.

## Application

IntelliWrap UV is installed outboard of the sheathing prior to the application of the final cladding system.

Lay sheets either horizontally or vertically with the smooth side facing outward; pull taut, and fasten. Sheets should be overlapped by approximately 10 cm.



## Technical Specifications

Material	PET substrate with UV stable acrylic coating	
Roll weight	approx. 44 lb (20 kg)	
Roll length	1968 inches	
Roll width	59 inches	
SF per roll	806.33 sf	
Temperature range	-40 °F to +176 °F (-40 °C to +80 °C)	
Maximum UV exposure	Always cover as soon as possible. Maximum exposure 20 weeks (prior to installation of cladding)	
Service life expectancy	> 25 years, if installed behind cladding systems with open joints up to 2" (50 mm) wide, exposing no more than 40% of entire façade surface	

## Performance Specifications

Air permeance	0.9 l/(s x m <sup>2</sup> ) @ 75 Pa	ASTM E2178
Water vapor transmission	516.6 g/m <sup>2</sup> /24 h	ASTM E96-05, Proc. A
Vapor permeance	74.5 perms [grains/h/ft <sup>2</sup> /in Hg]	ASTM E96-05, Proc. A
Dry tensile strength	MD 47.4 lbs/in; CD 28.7 lbs/in	ASTM D882-02
Elongation at break	MD 40%; CD 45%	ASTM D882-02
Fastener pull-through force	211.3 N	ASTM D3462-03
Water penetration resistance (Water Ponding Test)	Pass (> 10 min) Meets requirements of AC308 for Grade D water-resistive barrier	ICC AC308, 4.2.2 (2011) (CCMC MF07102, Section 6.4.5)
Water penetration resistance	103.8 cm	CAN/CGSB-4.2 #26.3-95
Water impact penetration resistance	No water passing	AATCC 42-2000
Pliability	Pass (no cracking)	CAN/CGSB-51.32-M77 § 5.2
Bent test	Pass	ICC AC 38, 3.3.4
Tear resistance	MD 1916 g; CD 2564 g	ASTM D1922-06a
Flame spread	10; NFPA Class A; IBC Class A	ASTM E84-09
Smoke developed	145; NFPA Class A; IBC Class A	ASTM E84-09



IntelliWrap™ UV is a component of the IntelliScreen™ Complete Rainscreen System from IMETCO®. Contact your IMETCO representative for more information.

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