

# VaproSmart ICL

a high performance interior air barrier and vapor control layer with variable permeability

Roll Size: 9'8" Product No.: 55879556/Roll Size: 59" Product No.: 55879000

**VAPROSMART ICL**  
Smart Interior Control Layer  
BY VAPROSHIELD



Installation  
Instructions



## Product Description

VaproSmart ICL is an "intelligent" interior vapor control layer and air barrier sheet membrane. It dynamically adjusts its vapor permeance in response to surrounding humidity levels, remaining vapor-tight when conditions are dry, and opening up to allow inward vapor diffusive drying when humidity is high, helping to protect the structure from moisture accumulation.

### BASIC USE

Designed for commercial and residential internal applications as an air and vapor control layer.

### MATERIALS

Polyamide film combined with protective nonwoven layer.

### BENEFITS

**Smart Vapor Control** - adapts permeance to varying humidity in the wall cavity throughout the year to keep the cavity dry.

**Mitigates Mold and Mildew** - controls air and moisture, mitigating mold and mildew growth that occurs when moisture is trapped especially in walls, ceiling, and floors.

**Improves Energy Efficiency** - reduces air and moisture movement, helping to maintain thermal insulation performance and preventing heat loss/gain, contributing to lower energy consumption.

**Protects Structural Building Integrity** - mitigates moisture damage to essential building components including roofs, walls, and floors, especially in heating climates.

## Technical Data

PHYSICAL PROPERTIES	
PROPERTY	RESULT
Color	Translucent
Thickness	0.1767 mm (6.955 mil)
9'8" Roll Dimensions	9'8" x 98' (3m x 30m) 968 ft <sup>2</sup> (90 m <sup>2</sup> )
59" Roll Dimensions	59" x 98' (1.5m x 30m) 484 ft <sup>2</sup> (45 m <sup>2</sup> )
Variable Vapor Permeance (EN 12572)	0.18-17 perms
Warranty	20 Year Warranty

