DuPont™ Tyvek® StuccoWrap™

Grooved Housewrap Engineered for Stucco Facades and EIFS Systems

OVERVIEW

Description

DuPont™ Tyvek® StuccoWrap® is a high-performance water-resistive and air barrier (WRB) with an engineered, grooved surface designed to function as a drainage plane behind stucco facades and EIFS systems. It is optimal for both traditional and synthetic stucco systems in commercial and residential construction, effectively reducing cracking, improving stucco curing, and channeling moisture out of the wall.

Highly inert, **Tyvek® StuccoWrap®** prevents chemical reactions or degradation when in contact with stucco. It surpasses Grade D paper in managing hydration and maintaining stability during curing, significantly reducing cracking in the scratch coat and enhancing stucco integrity. Suitable for traditional stucco, direct-applied stone masonry, and lapped cedar and cement siding applications up to four stories, **Tyvek® StuccoWrap®** boasts a proven track record and meets all major building codes by ICC-ES evaluation reports.

Features and Benefits

- **High Performance Durability:** 30% more flexural strength than stucco cured on 60-minute building paper and 3X stronger tear strength. Sturdy, easy to repair with tape, and not a food source for mold and mildew. Retains durability when wet, channels water to the outside.
- **Temperature and UV Resistance:** Withstands up to four months (120 days) of UV exposure. Maximum in-service temperature of 180° F.
- **Air and Water Barrier Performance:** Does not absorb water, maintaining the moisture level needed for better curing and preventing expansion and contraction, resulting in stronger stucco. Provides superior water drainage, combats moisture accumulation, and prevents air infiltration and exfiltration, thereby protecting the installed R-value of insulation for more comfortable, energy-efficient homes and buildings. Type 1 air barrier, evaluated in accordance with ASTM E1677. Outstanding air infiltration protection and high vapor permeability to promote drying. Offers >98% drainage efficiency when tested in accordance with ASTM E2273.

Sustainable Solutions

- The use of Tyvek® StuccoWrap® as part of an assembly to reduce air infiltration may assist in achieving points for USGBC LEED® Certified Projects or an ENERGY STAR® label for new homes or home improvements.
- We recognize our stakeholders' need for product transparency information and are committed to providing embodied carbon and other Life Cycle Assessment (LCA)-based information through Environmental Product Declarations (EPDs) for our products. You can find the Tyvek® EPD under "Codes and Certifications" here. https://www.dupont.com /products/tyvek-stuccowrap.html

Warranty

- Tyvek® StuccoWrap® is backed by a 10-Year limited warranty. For additional warranty information please visit building.dupont.com or contact your DuPont representative.

Complete System

- Tyvek® StuccoWrap® along with DuPont Self-Adhered Flashing Products and other DuPont Building Envelope Solutions Products provide integrated air and water management solutions that help meet or exceed building and energy code requirements without sacrificing building durability.

Standard Sizes

Standard Sizes for Tyvek® StuccoWrap™

Unit	Width	Length
Roll	5 ft.	200 ft.

TESTING AND CODE COMPLIANCE

Tyvek® StuccoWrap™ exhibits the properties and characteristics indicated in the table below when tested as represented. Review all instructions and (Material) Safety Data Sheet ((M)SDS) before use. Please contact your local DuPont™ Tyvek Specialist before writing specifications around this product. Product properties are as follows:

TEST METHOD	TEST TITLE	PROPERTY	RESULTS
AIR			
ASTM E1677	Standard Specification for Air Barrier (AB) Material or Assemblies for Low-Rise Framed Building Walls	Air Penetration Resistance	Type 1 cfm/ft^2
ASTM E2178	Standard Test Method for Determining Air Leakage Rate and Calculation of Air Permeance of Building Materials	Air Penetration Resistance	.004 cfm/ft^2@ 1.57 psf
TAPPI T460	Air resistance of paper (Gurley method)	Air Penetration Resistance	>300 sec/100cc
FIRE			
ASTM E84	Standard Test Method for Surface Burning Characteristics of Building Materials	Surface Burning Characteristics Class A Index	Flame Spread = 5 Smoke Developed = 25
STRENGTH			
ASTM D882	Standard Test Method for Tensile Properties of Thin Plastic Sheeting	Breaking Strength	30/30 lbs/in
ASTM D1117	Standard Guide for Evaluating Nonwoven Fabrics	Tear Resistance	7/9 lbs
TAPPI T-410	Grammage of Paper and Paperboard (Weight per Unit Area)	Basis Weight	2.1 oz/yd^2
WATER			
AATCC 127	Test Method for Water Resistance: Hydrostatic Pressure	Water Penetration Resistance	210 cm
ASTM E2273	Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies	Drainage Efficiency ICC-ES AC 24 Section 6.11 ICC-ES AC 235 Section 4.5	>98% Pass Pass
ASTM E2556	Standard Specification for Vapor Permeable Flexible Sheet Water-Resistive Barriers Intended for Mechanical Attachment	Vapor Permeability (Type II Compliant)	Pass
ASTM E96	Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials	Water Vapor Transmission Method A	250 g/m$^{236\ perms}$
ASTM E96	Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials	Water Vapor Transmission Method B	350 g/m$^{250\ perms}$

For more information, visit us at
building.dupont.com
or call us at 1-833-338-7668

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