Product Information Sheet

DuPont™ Tyvek® CommercialWrap® D

Durable Air and Water Barrier Engineered to Improve Drainage and Stand Up to the Commercial Job Site

FEATURES/BENEFITS

Description

DuPont™ Tyvek® CommercialWrap® D offers superior drainage and durability for commercial buildings. It features a specially engineered surface texture that provides enhanced water drainage under a wide variety of facades in climates that may require additional drainage.

Tyvek® CommercialWrap® D is made from 100% flash spunbonded high-density polyethylene fibers which have been bonded together by heat and pressure, without binders or fillers, into a tough durable sheet structure. Additives have been incorporated into the polyethylene to provide ultraviolet light resistance.

Air and Water Barrier Performance

- Offers the ideal combination of enhanced drainage, air and water holdout plus vapor permeability.
- Air Barrier Association of America evaluated to exceed ABAA, ASHRAE 90.1 and IECC air leakage requirements when tested in accordance with ASTM E2357.
- Offers > 98% drainage efficiency when tested in accordance with ASTM E2273.
- Offers high tear-resistance and high wind-load-resistance to help stand up to commercial construction site conditions.
- Withstands up to nine months of UV exposure.

Available Sizes

Tyvek® CommercialWrap® D is available in the following roll sizes:

- 5' x 200' (1.5 x 61m)
- 10' x 125' (3.1 x 38.1 m)

Sustainable Solutions

Tyvek® CommercialWrap® D may contribute toward LEED® points in the areas of Energy and Atmosphere (EA): Optimizing the Building Envelope and Indoor Environmental Air Quality (EQ): Construction IAQ Management Plan and Low Emitting Materials. In addition, the use of a continuous air barrier is a prerequisite for LEED® applications requiring compliance with ASHRAE 90.1-2010.

By helping to effectively seal the building envelope, **Tyvek® CommercialWrap® D** helps to reduce the amount of energy required for heating and cooling.

Complete System

Tyvek® CommercialWrap® D can be integrated with DuPont self-adhered flashing products and Tyvek® Fluid Applied products to offer seamless protection for wall systems that require mechanically fastened and fluid applied air and water barriers.

PROPERTIES

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	Property	Typical Value	Units
ASTM E2357	Air Penetration Resistance	<0.04	cfm/ft² @ 1.57 psf
Gurley Hill (TAPPI T-460)	Air Penetration Resistance	>750	sec/100cc
ASTM E1677	Air Penetration Resistance	Type 1	cfm/ft² @ 1.57 psf
ASTM E2178	Air Penetration Resistance	.001	cfm/ft² @ 1.57 psf
ASTM E283	Wall Assembly Air Penetration Resistance	<0.04	cfm/ft² @ 1.57 psf
ASTM E96-05	Water Vapor Transmission	212	Method B g/m²-24 hrs
E96-05	Water Vapor Transmission	30	Method B (perms)
AATCC 127	Water Penetration Resistance	235	cm
ASTM E331	Wall Assembly Water Penetration Resistance	No leakage	Tested to 15 psf
ASTM E2273	Drainage Efficiency	>98	%
TAPPI T-410	Basis Weight	2.4	oz/yd²
ASTM D882	Breaking Strength	33/41	lbs/in
ASTM D1117	Tear Resistance	6/9	lbs
ASTM E84	Surface Burning Characteristics	15 Class A	Flame Spread Index Class
ASTM E84	Surface Burning Characteristics	25 Class A	Smoke Developed Index Class
NFPA 285	Flame Propagation/Multiple Assemblies	–	Pass
–	Ultra Violet Light Exposure (UV)	270 9	Days Months

Test results shown represent roll averages. Individual results may vary either above or below averages due to normal manufacturing variations, while continuing to meet product specifications.

WARNING: DuPont™ Tyvek® is combustible and should be protected from an open flame and other high heat sources. If the temperature of DuPont™ Tyvek® reaches 750°F (400°C), it will burn and the fire may spread and fall away from the point of ignition.

DUPONT Tyvek®

For more information visit us at tyvek.com or call 1-800-448-9835

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