



The miracles of science™

DEFINING THE DIFFERENCE



PROUDLY PRESENTING THE MIRACLES OF DuPont™ Tyvek®

DuPont™ Tyvek® HomeWrap®, our premier brand, is used in residential construction under all cladding types. It protects your house like a windbreaker, stopping the wind and rain from getting in - forming a protective skin around the house. And since it also breathes, moisture inside the house can get out, which helps prevent costly water damage. Tyvek® HomeWrap® helps keep insulation dry so it will perform more efficiently, keeping you and your family more comfortable. Wrapping a home in a “protective envelope” is a good building practice that helps combat a home’s worst enemies: water, moisture and air infiltration.

TECHNICAL SPECIFICATIONS:

Tyvek® used in construction products 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. DuPont suggests that Tyvek® HomeWrap® be covered within four months of installation.

Meets the ASTM E1677 Type 1 Air Retarder when installed according to Tyvek® best practices. See installation instructions on label.

ICBO ES-4000, BOCA ES-98-46, SBCCI PST&ES-95105D

BALANCE OF PERFORMANCE

	Tyvek® HomeWrap®	Perforated Wraps	Low Perm Microporous	Grade D Building Paper	#15 Felt
Air Penetration Resistance air-ins test [cfm/ft ² @ 75 PA]	HIGHEST air penetration protection [.007]	Mechanical pinholes allow air penetration [.1-.9]	Film abrasion can cause holes that reduce protection	Minimal air pene- tration resistance, not designed as an air barrier	Minimal air pene- tration resistance, not designed as an air barrier
Bulk Water Holdout [AATCC-127] hydrostatic head [cm]	HIGHEST water holdout [210]	Mechanical holes allow water penetration [10-25]	Reduced water holdout [165-180]	Absorbs water	Absorbs water [52]
Moisture Vaper Permeance [ASTM E96] vapor transmission [perms]	HIGH breathability, lets moisture escape [58]	Holes allow moisture to get out [6-18]	Low vapor permeability [6.7-13.7]	10x less permeable than Tyvek® [5]	7x less permeable than Tyvek® [8]
Durability	EXCELLENT tear strength, good wet strength	Stretching, fatigue & aging may reduce performance	Film susceptible to abrasion during installation	Tears and punctures easily, loss of strength when wet	2x less tear strength than Tyvek®