

TECHNICAL SPECIFICATION DATA SHEET

Elm Brick by Matton Flex



Property (ASTM Standard)	Industry Standard / Req.	Performance	Result	Unit	Check
Hard Body Impact (C1629)	Untreated Exterior Drywall	Treated Assembly: 50 lbf / Class I	PASS	lbf / Class	TRUE
Fire Safety: Flame Spread (E84)	Class A Requirement: 0-25	15	CLASS A	Index	TRUE
Fire Safety: Smoke Developed (E84)	Class A Requirement: 0-450	110	CLASS A	Index	TRUE
Flexural Strength (D790)	Control Strength: 629 psi	Post-Weathering: 464 psi	DURABLE	psi	TRUE
Vapor Permeance (E96)	Vapor Permeable: >10 perms	17.59 perms	BREATHABLE	perms	TRUE
Thermal Stability (D696)	Typical Cladding Goal: Low expansion	6.17 x 10⁻⁶ in/in/degF	STABLE	in/in/degF	TRUE
Water Resistance (D570)	Max Absorption: 5%	1.20%	Excellent	%	TRUE
Adhesion Strength (C297)	Min Requirement: 35 psi	45 psi	PASS	psi	TRUE