

STATEMENT OF TESTING and CODE COMPLIANCE

This is to certify that StoTherm ci MVES and its components have been tested by independent third party test agencies and comply with relevant sections of the 2018 IBC and IECC, and ETA¹ as presented below:

System Tests

Test	Method	Result	Code Compliance
Air Leakage: StoGuard	ASTM E2178, ASTM E2357	Material air leakage ≤ 0.004 cfm/ft ² (0.02 L/s/m ²) Assembly air leakage ≤ 0.04 cfm/ft ² (0.2 L/s/m ²)	Complies with Chapter 4, Section C402.5.1.2.1 and Section C402.5.1.2.2
WRB: StoGuard	ASTM E2570	WRB complies with Table 1, Physical Requirements	Complies with Chapter 14, Section 1407.4.1.1
Drainage	ASTM E2273	Meets drainage efficiency requirement of minimum 90%	Complies with Chapter 14, Section 1407.4.1
Multi-Story Flame Spread	NFPA 285	No excess flame spread vertically or laterally; flame spread, thermocouple temperatures within specified limits	Complies with Chapter 26, Section 2603.5.5
Radiant Heat Ignitibility	NFPA 268	No surface ignition at heat flux of 12.5 kW/m ²	Complies with Chapter 26, Section 2603.5.7
Fire Endurance	ASTM E119	Maintains hourly fire resistance rating	Complies with Chapter 26, Section 2603.5.1
Water Penetration Resistance	ASTM E331	No water penetration after 2-hour water spray at 6.24 psf	Complies with Chapter 14, Section 1407.4.1.1
Wind Load Resistance	ASTM E330	Ultimate load capacity in excess of +180, -160 lb/ft ² (+8.62, -7.66 kPa)	Complies with Chapter 16

Component Tests

Properties of EPS Board	ASTM C578	EPS board conforms with Type 1 requirements	Chapter 14, Chapter 26, Sections 2603.5.3 and 2603.5.4
Bond Strength StoColl KM Adhesive Mortar	ANSI 118.4	Exceeds 200 lb/in ² (1.37 N/mm ²) bond strength requirement with thin brick, thin stone, porcelain tile	Complies with Chapter 21, Section 2103.2.3.1 and 2103.2.3.2
Freeze/Thaw Resistance StoColl KM Adhesive Mortar		No cracking or delamination, detachment, or irreversible deformation. Tensile bond strength ≥ 11.6 lb/in ² (0.08 N/mm ²) after 30 freeze/thaw cycles	Complies with 2017 EAD 040287-00-0404, clause 2.2.5.2, (Annex E)
Alkali Resistance of Reinforcing Mesh	ASTM E2098	Exceeds minimum 120 pli (21 N/mm) minimum tensile strength requirement after alkaline soak	Complies with Chapter 14, Section 1407.2
Surface Burning of StoColl KM Adhesive Mortar	ASTM E84	Flame spread: ≤ 25 Smoke Development: ≤ 450	Complies ² with Chapter 26, Section 2603.5.4

Note: Chapter 14, System Performance Tests, ASTM E2568: Accelerated Weathering, Salt Spray, Water Resistance not applicable to Adhered Masonry Veneer units.

1. ETA: European Technical Approval, 2. Compliance based on similar Sto polymer modified portland cement-based adhesive products

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