

TRIMLOCK CLADDING/SIDING TECHNICAL DATA

TRIMLOCK CLADDING/SIDING PANEL

TESTING	TEST METHOD	RESULTS
STANDARD METHOD OF FIRE TEST EXTERIOR WALL ASSEMBLIES	CAN/ULC S134	PASS
WATER PENETRATION (DOUBLE CLAD)	ASTM E331	PASS
AIR LEAKAGE (DOUBLE CLAD)	ASTM E283	PASS
UNIFORM DESIGN LOAD	ASTM E330-14 +1340PA (28 PSF)	PASS
UNIFORM PROOF LOAD	ASTM E330-14 +2010PA (42PSF)	PASS
SOUND TRANSMISSION	ASTM E413-16	STC =25
	ASTM E90-09	OITC =24

TRIMLOCK EPS CLADDING/SIDING PANELS MATERIAL PROPERTIES FOR CAN/ULC-S701 EPS INSULATION

MATERIAL PROPERTIES	TEST METHOD	UNITS	CAN/ULC-S701 TYPE 1
THERMAL RESISTANCE (1) Minimum per 25mm (inch)	ASTM C518	m ² - °C/W (ft ² -h-°F/BTU)	0.65 (3.75)
COMPREHENSIVE RESISTANCE (2) Minimum @ 10% Deformation	ASTM D1621	KPA (PSI)	70 (10)
FLEXURAL STRENGTH (3) Minimum	ASTM C203	KPA (PSI)	170 (25)
WATER VAPOUR PERMANENCE (3) Maximum	ASTM E96	ng/(Pa-s-m ²) (Perms)	300 (5.2)
WATER ABSORPTION (4) Maximum	ASTM C272	% By Volume	6.0
DIMENSIONAL STABILITY Maximum 7 Days @70 - 20C (158-40F)	ASTM D2126	% Linear Change	1.5
LIMITING OXYGEN STABILITY Minimum	ASTM D2863	%	24
SURFACE BURNING CHARACTERISTICS Classification or Rating	CAN/ULC S102.2	Flame Spread Smoke Developed	220 Over 500
<p>1. Thermal resistance values for S701 are based upon values published in UL evaluation report ER-5817-02</p> <p>2. WVP values quoted are maximum values for 25mm (1") thick samples with natural skins intact. Lower values will result for thicker materials.</p> <p>3. ASTM test method C272 requires 24hr submersion of test under water. The water absorption values above are applicable to specific end-use design requirements only to extend that the end-use conditions are similar to requirements stated in the test methods.</p>			