



CL-TALON® 300

CL-TALON® 300 is a Universal Adjustable Cladding Support System that incorporates thermal bridging blockers and foolproof installation guidance which dramatically reduces installation time and errors. Safer – Easier – Faster Cladding Installation.

Approvals/ Standards	Test	Performance	
ASTM E283 ¹	Air Leakage	Infiltration at 75 Pa (1.57 psf)	0.5 L/s/m ² . (0.09 cfm/ft ²)
		Exfiltration at 300 Pa (6.27 psf)	1.2 L/s/m ² (0.23 cfm/ft ²)
ASTM E331 ¹	Water Penetration	@ 720 Pa (15.04 psf)	Pass. No Leakage.
ASTM E330 ¹	Uniform Load Deflection	Deflections taken vertically on the panel between horizontal rails +4320 Pa (+90.23 psf) -4320 Pa (-90.23 psf)	7.4 mm (0.29") 4.1 mm (0.16")
		Deflections taken at the center of the panel +4320 Pa (+90.23 psf) -4320 Pa (-90.23 psf)	17.8 mm (0.70") 23.6 mm (0.93")
	Uniform Load Structural	Permanent set taken vertically on the panel between horizontal rails +7200 Pa (+150.38 psf) -6480 Pa (-135.34 psf)	<0.3 mm (<0.01") 0.5 mm (0.02")
		Permanent set taken at the center of the panel +7200 Pa (+150.38 psf) -6480 Pa (-135.34 psf)	5.8 mm (0.23") 6.4 mm (0.25")
ASTM E330 ²	Uniform Static Air Pressure Difference	Negative Design Pressure	-8622 Pa (-180.00 psf)
Florida Building Code, Chapter 16 Structural Design ³	Gravity Load Testing, Deflection	@ 1163 Pa (24.3 psf)	1.0 mm (0.04")
	Gravity Load Testing, Permanent Set	@ 1163 Pa (24.3 psf)	0.3 mm (0.01")
	Gravity Load Testing, Deflection	@ 2940 Pa (61.4 psf)	3.0 mm (0.12")
	Gravity Load Testing, Permanent Set	@ 2940 Pa (61.4 psf)	0.5 mm (0.02")
NFPA 285 ⁴	Fire Test - Exterior Non-Load-Bearing Wall Assembly		Pass.
Thermal Performance ⁵	The Effectiveness of The Overall Assembly - Exterior Insulated Steel Stud Wall	2" mineral wool 4" mineral wool	77% effective 91% effective

¹ Temperature during testing was between 17°C - 19°C (63°F-66°F) using CL-580 CLADIATORS ACM Panel.

² Temperature during testing was between 22°C (71°F) using Nichiha AWP 3030 Fiber Cement Panels.

³ Product Size/Area Tested: 5.9m² (64.0 ft²) 2438mm W x 2438 mm L (96" W x 96" L).

^{1,2,3,4} All test results provided by Intertek.

⁵ Thermal analysis results provided by Morrison Hershfield.

Specification Section(s) 07 4x xx Cladding Support System