

## CL 300

CL 300 is a thermally isolated adjustable cladding support system that can bear the weight of any cladding material and it uniquely integrates the horizontal and vertical tracks for attachment on the same plane, making it easier and faster to install.

Approvals/Standards	Test	Performance	
ASTM E283 <sup>1</sup>	Air Leakage	Infiltration at 75 Pa (1.57 psf)	0.5 L/s/m <sup>2</sup> . (0.09 cfm/ft <sup>2</sup> )
		Exfiltration at 300 Pa (6.27 psf)	1.2 L/s/m <sup>2</sup> (0.23 cfm/ft <sup>2</sup> )
ASTM E331 <sup>1</sup>	Water Penetration	@ 720 Pa (15.04 psf)	Pass. No Leakage.
ASTM E330 <sup>1</sup>	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 <sup>2</sup>	Uniform Static Air Pressure Difference	Negative Design Pressure	-8622 Pa (-180.00 psf)
Gravity Load Testing (Uniform Distributed Static Vertical Load)	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 <sup>4</sup>	Fire Test - Exterior Non-Load-Bearing Wall Assembly		Pass.
Thermal Performance <sup>5</sup>	The Effectiveness of The Overall Assembly - Exterior Insulated Steel Stud Wall	2" mineral wool	77% effective
		4" mineral wool	91% effective

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

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

<sup>3</sup> Product Size/Area Tested: 5.9m<sup>2</sup> (64.0 ft<sup>2</sup>) 2438mm W x 2438 mm L (96" W x 96" L).

<sup>1,2,3,4</sup> All test results provided by Intertek.

<sup>5</sup> Thermal analysis results provided by Morrison Hershfield.