



Hufcor Weather Resistant Glasswalls have been engineered as an elegant solution to large glass openings forming part of modern façade design. The product finally helps designers in breaking the 3 meter (3000mm) limit imposed by traditional solutions available in market.

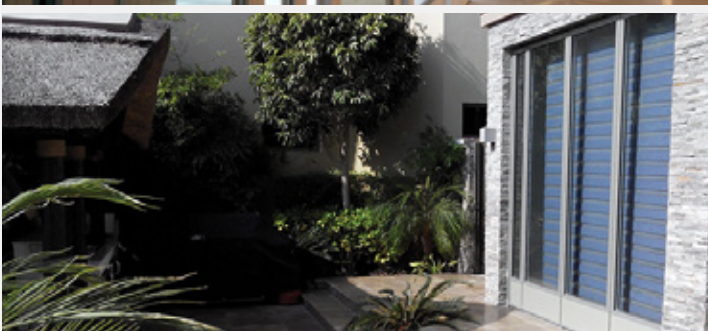
## WEATHER RESISTANT GLASSWALLS

### Key features:

- 1) Patented Capacity certified overhead track and carrier system. Corrosion resistant fixings ensure long and hassle free operation for years.
- 2) Completely top hung with no floor guides or track.
- 3) Designed to accept variety of glazing configurations. 38 mm sealed units provide superior weather and sound insulation.
- 4) Glass fixture through snap in beads for ease of change in case of damage and superior grip.
- 5) Positive interlocking verticals with additional gaskets provide ease of panel alignment and superior draft and weather resistance.
- 6) Retractable bottom seals with top and bottom fixed sweeps ensure partition stability and a tight fit in opening. Optional expanding element configuration also available.
- 7) Partitions have been tested for air permeability and water penetration at 4 meter height and opening size 20.36 square meters. Smaller units would outperform the test results stated below.
- 8) Wind load resistance capability up to 3.5 KPa.
- 9) Complete system excluding glass is covered by our standard two year warranty.

## AIR PERMEABILITY & WATER LEAKAGE TESTS

TEST	SPECIMEN DETAILS	STANDARD	RESULT	PERMITTED LEAKAGE	EQUIVALENT AAMA CLASSIFICATION
Air Permeability	Specimen Area = <b>20.36 Sqm.</b> Specimen Height = <b>4000 mm</b>	ASTM E 283-04 AAMA/WDMA/CSA 101/I.S.2/A440	2.08 M <sup>3</sup> /hour/m <sup>2</sup> (0.58 L/s/m <sup>2</sup> ) ] @ 75 Pa 5.3 M <sup>3</sup> /hour/m <sup>2</sup> (1.47 L/S/M <sup>2</sup> ) ] @ 300 Pa	5.4 M <sup>3</sup> /HR/M <sup>2</sup> (1.5 L/S/M <sup>2</sup> )	EQUIVALENT TO SD - AW 40
Water Leakage (Static Water Penetration Test)	Specimen Area = <b>20.36 Sqm.</b> Specimen Height = <b>4000 mm</b>	ASTM E 331 - 00 AAMA/WDMA/CSA 101/I.S.2/A440	NO LEAKAGE ] @ 140 Pa	NIL	EQUIVALENT TO SD - R 15



*Enjoy the view* from comfort of climate controlled interiors

## WIND LOAD CALCULATION

UNIT HEIGHT	WIND PRESSURE	LOADS CONSIDERED	LOAD ANALYSIS MODEL	MAX CALCULATED DEFLECTION
Less Than or Equal to <b>5500 mm</b>	<b>(+) 2 KPA*</b> or 200 Kg/m <sup>2</sup>	(DI) Dead Load = Own Weight (WI) Wind Load = <b>2 kn/m2</b> (LI) Live Load = <b>1 kn/m2</b>	Combination 1 - DI Combination 2 - 1.4 DI+1.6 LI Combination 3 - 1.2 ( DI+ WI+LI)	10 mm
Less Than or Equal to <b>3665 mm</b>	<b>(+) 3.5 KPA*</b> or 350 Kg/m <sup>2</sup>	(DI) Dead Load = Own Weight (WI) Wind Load = <b>3.5 Kn/m2</b> (LI) Live Load = <b>1 Kn/m2</b>	Combination 4 - 1.2 DL+1.2 WL"	10 mm

\* CONTACT GIBCA INCASE YOUR PROJECT REQUIREMENT EXCEEDS THE ABOVE LIMITS



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