

Laboratory **Façade India Testing Inc., Plot No. H-23, Additional MIDC, Kudavali Village, Murbad, District Thane, Maharashtra**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-7106 (in lieu of T-1746)**

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Validity **23.04.2018 to 22.04.2020**

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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**MECHANICAL TESTING**

I.	<b>BUILDING MATERIALS</b>			
1.	<b>Windows, Curtain Walls, Doors, Storefronts &amp; Sloped Glazing System</b>	Air Leakage	ASTM E283-04	0.1 m <sup>3</sup> /h to 300 m <sup>3</sup> /h
		Static Water Penetration	ASTM E331-09	Qualitative
		Dynamic Water Penetration	AAMA 501.1-17	Qualitative
		Structural Performance Deflection & Deformation by Static Air Pressure Differential	ASTM E330/E330M-14	0.01 mm to 100 mm
		Seismic Movement Preliminary	AAMA 501.4-09	Qualitative
		Structural Test at SLS & ULS	AS/NZS 4284	Qualitative
		Air Infiltration		0.01mm to 100mm
		Static Water Penetration		0.1 m <sup>3</sup> /hr to 300 m <sup>3</sup> /hr
		Cyclic Water Penetration		Qualitative
		Seismic Test at SLS & ULS Displacement		Qualitative
		BMU Restraint		Qualitative
		Seal Degradation		Qualitative
		2.	<b>Permanent railing, Guards, and Balustrade Systems</b>	Performance of permanent Metal Railing systems and Rails for buildings
In-Fill Load				0.01 mm to 100 mm
Uniform Horizontal Push Load				0.01 mm to 100 mm
Uniform Vertical Push Load				0.001mm to 50mm

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		Concentrated Horizontal Push Load		0.01 mm to 100 mm
		Concentrated Vertical Push Load Test.		0.01 mm to 100 mm
		Performance of glazing in permanent Railing systems, Guards and Balustrades (Shot Bag Impact Test)	ASTM E2353-16	Qualitative
		Evaluating Fenestration Components and Assemblies for Resistance to Impact Energies (Pendulum Impact Test)	ASTM E2025-99	Qualitative

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Nikhil Kumar  
Convenor

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N. Venkateswaran  
Program Director

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**MECHANICAL TESTING**

AT SITE				
I.	BUILDING MATERIALS			
1.	Windows, Curtain Walls, Doors, Storefronts & Sloped Glazing System	Water Leakage	AAMA 501.2-15	Qualitative

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