

Certificate of Testing

Certificate Number: 06/24

Date: September 2006

System: Façade EXAP-50

Manufacturer: APA Systems Ltd
Unit 12, Parkmore Industrial Estate
Longmile Road
Dublin 12

CENTRE FOR
**WINDOW AND
CLADDING**
TECHNOLOGY

Tests performed: Air permeability ✓
Watertightness – static ✓
Watertightness – dynamic ✓
Wind resistance – serviceability ✓
Wind resistance – safety ✓
Hose test ✓
Impact test ✓

In accordance with 'Standard for systemised building envelopes' CWCT, 2006

Signed:



Test Witness

Signed:



Director

Glazing system:	Façade EXAP-50 Curtain Wall
Framing material:	Aluminium 6063
Glass units:	6/12/6 sealed units both panes toughened
Spandrel panels:	1.5 mm aluminium sheet with 20 mm plywood core
Mullion - Type:	86Z106
Box size:	50 mm x 165 mm
Transom - Type:	86ZZ202 and 86ZZ206
Box size:	50 mm x 70 mm and 50 mm x 170 mm
Transom - connection:	Cleat fixed overlap joint
Drainage and ventilation:	Mullion drained and ventilated
Glazing seals:	
Inner seal - Type:	Gasket
Jointing:	Butt joint sealed with unioncement
Material:	EPDM
Mullion bracket:	Fabricated mild steel bracket
Mullion movement joint:	500 mm reinforcing profile to suit mullion profile to provide structural connection. Drainage cover 86A708 sealed to front of mullion profiles over joint between ends of mullions and 10 mm gap between mullion sections sealed with silicone sealant.

Telford
TF7 4QH

Registration No: UKAS No 2223

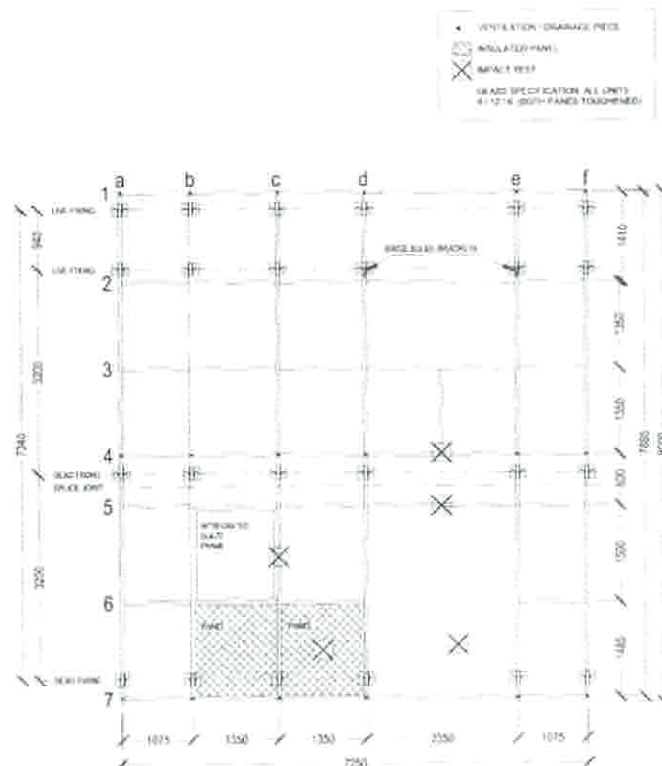
Independent testing
authority: Wintech Engineering Ltd
Halesfield 2
Telford
TF7 4QH

Witness: Alan Keiller
Centre for Window & Cladding Technology
University of Bath
Claverton Down
Bath BA2 7AY

Date of test: 15 & 16 June 2006

Air permeability:	PASS
Pressure:	600Pa (infiltration and exfiltration)
Leakage rate (max):	0.23m³/hour/m² infiltration 0.25m³/hour/m² exfiltration
Watertightness - static:	PASS
Test pressure:	600Pa
Watertightness - dynamic:	PASS (Dynamic aero engine and dynamic fan)
Wind resistance	
Serviceability:	PASS
Test pressure:	2400Pa
Wind resistance	
safety:	PASS
Test pressure:	3600Pa
Hose test:	PASS
Impact test:	PASS
Drop height:	950mm
Impact energy:	500Nm

Impact tests carried out in accordance with BS EN 14019 at all specified locations. No damage observed.



Test rig elevation