

Technical Report – R4791092526 Rev 3 CWCT – Standard for systemised building envelopes – 2005

RJ Facade Systems Ltd

**Briklok Brick Slip Rainscreen
Cladding System**



2. Summary of Results

2.1 The test methods

The performance of the sample tested has been assessed against the criteria described in below standards.

CWCT Standard Test Methods for Building Envelopes - December 2005	
Air Leakage (Infiltration & Exfiltration)	CWCT Section 5
Water Penetration – Static	CWCT Section 6
Water Penetration – Dynamic Aero Engine	CWCT Section 7
Water Penetration – Hose	CWCT Section 9
Wind Resistance – Serviceability	CWCT Section 11
Wind Resistance – Safety	CWCT Section 12
Impact – Retention to Performance & Safety to Persons	CWCT TN 76

2.2 Decision Rule

Classifications reported in Section 5 indicate that the product conforms with the relevant accuracy requirements of the testing standards (as summarised below) and the expanded measurement uncertainty ($k = 2$ for approximately 95% coverage probability) is no greater in magnitude than the accuracy requirements defined in Section 2 of CWCT Standard Test methods for Building Envelopes. If the measured value is on the limit, the result is defined as a pass. This means that the risk of a false positive is 50%. For further information regarding risk assessment refer to ILAC G8: 2019.

2.3 Measurement Uncertainty

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k = 2$, providing a level of confidence of approximately 95%, and for the air leakage measurements and wind resistance measurements is $\pm 2.08\%$, for the mass of the dislodge fragments is $\pm 0.02\%$ and for the size of the dislodge fragments is $\pm 0.06\%$.

2.4 Summary of Results

The following summarises the results of testing carried out, in accordance with the relevant testing and classification standards.

Test Type	Peak Test Pressure	Result	Classification
Test 1 - Air Leakage - Infiltration	600 Pa	Pass	A4
Test 2 - Air Leakage - Exfiltration	100 Pa	N/A	N/A
Test 3 - Water Penetration (Static Pressure)	600 Pa	Pass	R7
Test 4 - Wind Resistance - Serviceability - Backing Wall	2400 Pa	Pass	-
Test 5 - Repeat Air Leakage - Infiltration	600 Pa	Pass	A4
Test 6 - Repeat Air Leakage - Exfiltration	100 Pa	N/A	N/A
Test 7 - Repeat Water Penetration (Static Pressure)	600 Pa	Pass	R7
Test 8 - Water Penetration - Dynamic Aero Engine	600 Pa	Pass	-
Test 9 - Water Penetration - Hose	-	Pass	-
Test 10 - Wind Resistance - Serviceability - Cavity	2400 Pa	Pass	-
Test 11 - Wind Resistance - Safety - Backing Wall	3600 Pa	Pass	-
Test 12 - Wind Resistance - Safety - Cavity	3600 Pa	Pass	-
Test 13 - Impact Resistance - Retention of Performance	Cat B	Class 1	-
Test 14 - Impact Resistance - Safety to Persons	Cat B	Negligible Risk	-
Dismantle, Inspect & Report	Pass		

More comprehensive details are reported in Section 6.

These results are valid only for the conditions under which the test was conducted.

All measurement devices, instruments and other relevant equipment were calibrated and traceable to National Standards.

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