

Summary Test Report No. FT-R1041

The tests reported herein are outside of the laboratory's scope of accreditation.

Report Date:	19 th February 2020
Project:	E2/VM2 testing of cladding system installation details for 8mm Equitone on 35 x 70mm H1.2 timber cavity battens for Etex Group.
Client:	Promat Australia Pty Ltd (Etex Group) Suite 205, 198 Harbour Esplanade Docklands, VIC 3008, Australia
Specifier:	Grant Wood for Venn Engineering Pty Ltd
Sample Designer:	Mehdi Malekian for Etex Group
Sample Installer:	Symonite Wellington Limited
Test Dates:	9 th December 2019
Test Schedule	The BRANZ EM7 test specification
Testing Officer:	Darryl Scott; FTNZ Laboratory Manager
Witnessed By:	Personnel present for testing: Mehdi Malekian (Etex), Richard Eden (ProClima), Jamie Walker (Symonite). Part time – Sorren Web (Pro Clima)
Test Facility:	Facade Testing NZ Limited, 149 Park Rd Miramar Wellington

1. Description of Sample

The test arrangement consisted of a 2.990m high x 4.870 wide test sample comprising of 8mm Equitone fibre cement sheet mechanically fixed with Uni-Screws over EPDM strips onto 35 x 70mm timber cavity battens over Pro Clima Solitex Extasana Adhero self-adhesive synthetic wall underlay over Kalsi fibre cement (Kalsi Rigid Backer) fixed with 8g x 45 countersunk head screws to 140 x 45 and 90 x 45 KD MSG8 timber framing.

The test sample incorporated window head, jamb and sill details for both recessed and cavity fixed aluminium windows.

A full description and as-built drawings of the test sample are recorded in the full test report FT-R1040.

2. Summary

The Etex Group test sample comprising of installation details for 8mm Equitone cladding fixed to 35 x 70mm timber cavity battens over Pro Clima Solitex Extasana Adhero on a Kalsi Rigid Backer, was subjected to tests from the AS/NZS 4284:2008 suite of tests using the BRANZ EM7 test parameters, with the following results.

2.1. Preliminary Test

Complies – Static Air Pressure @ ± 2250 Pa

2.2. Air Infiltration Test 1

Complies – Air leakage < 0.3 L/m²/s @ ± 75 Pa

2.3. Air Infiltration Test 2

Complies – Air leakage < 0.6 L/m²/s @ ± 75 Pa

2.4. Water Penetration Test

Complies – Static Water @ 675 Pa

Complies – Cyclic Water @ 338 – 675 Pa

Complies – Cyclic Water @ 450 – 900 Pa

Complies – Cyclic Water @ 675 – 1350 Pa

2.5. Water Management Test

Complies – Static Water @ 675 Pa

Complies – Cyclic Water @ 338 – 675 Pa

Complies – Cyclic Water @ 450 – 900 Pa

Complies – Cyclic Water @ 675 – 1350 Pa

2.5. Wetwall Test

Complies – Static Water @ 75 Pa

The information provided in this summary report FT-R1041 is an extract only from the full test report FT-R1040 which should be referenced for a full description of testing and results.