

Summary Test Report No. FT-R1043

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

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| Report Date: | 19 th February 2020 |
| Project: | E2/VM2 testing of cladding system installation details for 8mm Equitone on 1.15 x 35mm Zincalume Top Hat 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: | 13 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), Antonia Ustiugova (Etex) 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-Rivets over EPDM strips on 1.15 x 35mm Zinalume Top Hat 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-R1042.

2. Summary

The Etex Group test sample comprising of installation details for 8mm Equitone cladding fixed to 1.15 x 35mm Zinalume Top Hat 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-R1043 is an extract only from the full test report FT-R1042 which should be referenced for a full description of testing and results.