

Weathering Resistance

- Accelerated weathering test to ASTM G53 (AHI 9.101-1,2,3,4 & 5)

Weather Security

- Low Speed Dynamic Rain Penetration Test – by the Experimental Building Station, Australia. (AHI 2.1.9)
- Dynamic weather resistance tests to AS 2050 (AHI 2.1.16) & AS 4046.9, by Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia.
- Wind driven resistance tests to Section IV-C of ICBO ES Acceptance Criteria by United States Testing Company, Inc. (AHI 3.83) and by Construction Research Laboratory, Florida, U.S. (AHI 3.80)
- Wind and wind driven test to Florida Building Code 2001, by PRI Asphalt Technologies, Inc., U.S.
- High velocity wind uplift development test by Center for Applied Engineering, Inc. (AHI 3.62)
- Wind uplift load test to AS 4040.2 by (MRM) NZ Metal Roofing Manufacturers, Inc

Hurricane/Cyclone Wind Resistance

- Cyclone Loading Test to the Wind Loading Code, Australian Standard 1170, part 2 1975 – by the Cyclone Testing Station, Australia. (AHI 2.3.12, 2.3.13 & 2.3.19)

Thermal Resistance

- Thermal properties with and without underlays (sarking). Tests by the AHI Technical Centre, New Zealand. (AHI 2.5.2)
- Roof temperature study on various Decra Roofing Systems by AHI Technical Centre, NZ

Loading

- Penetration test to Section 4.2 of ICBO ES Acceptance Criteria by United States Testing Company, Inc. (AHI 3.85)
- Decra tile point load test to KS 2025.

Corrosion Resistance

- Salt fog test to ASTM B117 by Felix Research Laboratories, New Zealand. (report 805101.51)
- 100% relative humidity test to ASTM D2247

Drinking Water Quality

- Rainwater run-off is well within the lower limits of the World Health Organisation's standards. Tested by Water Science Laboratories, Australia. (AHI 2.5.27, 2.5.28, 2.5.29, 2.5.30). Note: Due to the use of surfactants in the basecoat, water should not be collected from the roof for drinking purposes prior to at least three good rainfalls.

Fire Resistance

- Resistance to flying fires and radiant heat, Cert. No. DIN 4102-7 by Otto Graf Institute, Germany
- External fire exposure to roofs, ENV 1187-1 by Slovenian National Building and Civil Engineering Institute.
- Fire test approval, Japan Ministry of Land, Infrastructure, Transport and Tourism
- Fire resistance test, Class A & Class B to ANSI/UL 790 or ASTM E-108 by Underwriters Laboratories Inc, U.S. (AHI 2.4.12, 3.70, Y2000)
- Fire resistance test, Class A & B to ANSI/UL 790 or ASTM E-108 by United States Testing Company, Inc, U.S. (AHI 3.81, 3.82, 2.4.9)
- Fire resistance tests to BS 476 Part 6 & 7 by SIRIM, Malaysia
- Fire test certificates to AS/NZS 1530.3 by Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia.

Earthquake Resistance

- Wakefield Laboratories Limited of New Zealand – Simulated Earthquake Test 1969. (AHI 2.5.34).
- Performance report of Roofing Materials during the 6.8 Northridge Earthquake, TMC USA 1994.

Resistance To The Impact Of Hailstones

- Hail resistance test to NBS Series 23 – Withstood the impact of hailstones up to 4 inches in diameter – tested by Terralab Engineers International, U.S. (AHI 3.61)

Building Certification

- British Board of Agrement, assessment of products for construction – Certificate No: 99/3568 March 1999. (AHI 3.94)
- BRANZ (Building Research Association New Zealand) Appraisal Certificate No: 314, October 1998 & 2002