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BTS2217 CERTIFICATE OF TEST: TR220727-1

An Assessment of the performance of the Aquamox Tape for Water Resistance over time when adhered to “aquamox tile backer board”

1. Objective:

- 1.1 BEAL Testing Services were contracted by Crest Group Ltd to verify that the tape used to seal the joints between sheets of “aquamox tile backer board” will meet the performance requirements of the New Zealand Building Code.
- 1.2 Testing was carried out to assess the ability of the tape to provide water resistance over time when adhered to the aquamox tile backer board, ready for application of a proprietary waterproofing system over it.

2. Methodology:

- 2.1 This method is based on BEAL Test Procedure TP148 Assessment of Water Resistance of Building Underlays. The slope of the test apparatus was set at 45° to the horizontal. The test specimen comprising the joint tape adhered to two samples of the aquamox tile backer board, were fixed to a plywood backing board which in turn was fixed to a jig designed for this type of test. A pump was used to deliver a constant stream of water over the surface of the building wrap, for a specified duration.
- 2.2 This test procedure has been developed in accordance with ISO 17007.

3. Test Criteria:

- 3.1 The test sample is deemed to have failed the test if water is found to have soaked into the plywood backing board after the nominated time period.

4. Test Equipment:

- 4.1 Use was made of a test rig constructed by BEAL for the purpose of evaluating ‘streaming water resistance of underlays’.

5. Preparation of Samples

5.1 A sample comprising two sheets of the aquamox tile backer board, with the join sealed using the specified tape, then having a proprietary waterproofing system applied to the manufacturer's instructions, then left to cure, was constructed. Refer photo 1.

6. Test Conditions:

6.1 Testing was conducted at room conditions, over a period of 7 days.

7. Results:

7.1 No water was found to penetrate the test specimen.

8. Attachments:

8.1 Relevant Photos.



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Authorised signatory

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