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BTS2217 CERTIFICATE OF TEST: TR220727-2

An Assessment of the performance over time of the aquamox Shower Tray System, including the Hob plus Sealant plus backer board, then waterproofed, then subject to a head of water, then subject to an accelerated ageing temperature and humidity environment

1. Objective:

- 1.1 BEAL Testing Services were contracted by Crest Group Ltd to verify that the aquamox 'system' comprising tape, sealant, aquamox tile backer board, over-coated with a proprietary waterproofing membrane (able to be tiled over), will meet the performance requirements of the New Zealand Building Code.

2. Methodology:

- 2.1 This method was developed from first principles to demonstrate that the test specimen, representing a real-world situation, demonstrated an acceptable performance over time.
- 2.2 The method involved the construction of a 400mm x 450mm five-sided rectangle using the 50mm x 50mm hobs along each of four sides, adhered to a base of the aquamox tile backer board, using the aquamox sealant. A pipe penetration with specified gasket was also installed. Refer photo 1

3. Test Equipment:

- 3.1 Use was made of an environmental chamber with accurate control over temperature and humidity to provide the conditions for cyclic heat and humidity conditions.

4. Criteria:

- 4.1 Acceptance of performance shall be based on there being no observable water leakage.

5. Preparation of Samples

- 5.1 A test specimen was constructed to suit.

6. Test Conditions:

- 6.1 An assessment of the performance of the test specimen was made after the specimen was subjected to 20 cycles of 'accelerated ageing (from -20°C to + 70°C).

7. Results:

7.1 No leakage was found. Refer photo 2

8. Attachments:

8.1 Relevant Photos.



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