



ASTM B117-2011

Controlled corrosive salt spray environment to predict performance of materials in natural settings.

Date performed: February 2015

Test Ref: 150119006SHF-BP-1

NO VISIBLE CHANGE

The test was performed in accordance with the procedure specified in; **ASTM B117-2011** "Controlled procedure, and conditions required to create and maintain the salt spray (fog) environment".

The test results relate only to the specimens of the product in the form in which were tested. Small differences in the composition of the product may significantly affect the performance during the test and may therefore invalidate the test results. Care should be taken to ensure that any product, which is supplied or used, is fully represented by the specimens, which were tested.

Sample Description: Co-extruded wood-plastic composite decking board.

Density: 1.80g/cm³

Specimen Size: 25mm x 150mm

TEST DETAILS

Prior to testing, the sample was suitably cleaned and conditioned to constant mass at a temperature of 23 ± 2 °C and maintained in this condition until required for testing. The samples were suspended between 15 and 30° from the vertical and parallel to the principal direction of flow of fog through the chamber. The salt solution was prepared by dissolving 5 ± 1 parts by mass of sodium chloride in 95 parts of water conforming to Type IV water in Specification ASTM D1193.

Test Item	Method	Result
Neutral salt spray test	ASTM B117-2011	After 200 hours of testing, there was no visible change to surface of product. Front surface: $\Delta E^* = 1.22$, Grey Scale 4-5 Back Surface: $\Delta E^* = 1.06$, Grey Scale 4-5

The salt solution spray was continuous for the duration of the entire test period.

TEST RESULTS

*In accordance with the class definitions given in **ASTM B117-2011** the tested samples displayed **NO VISIBLE CHANGE**.*

Results relate to the behavior of the test specimens of a product under the conditions of the test. They are not intended to be the sole criterion for assessing the potential changes of the product in use.

0845 9011 988 www.ecoscapeuk.co.uk

Considering the magnitude of the environmental challenge facing the building and construction sector in the UK, Ecoscape UK's innovative and sustainable solution of long lasting, hard wearing composites is a welcome solution to meet environmental quotas specifying a minimum percentage by value of recycled material in buildings.