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Ecostar durability testing and quality control information

Ecostar LLC tests UV resistance and external durability of Ecostar Majestic Slate tiles in accordance with ASTM G155 (Durability of Nonmetallic Material Standards)

The test method prescribed in this international standard is to expose the product for 4500 hours at 0.35 watts/m² in an Xenon-arc weatherometer .

For a New Zealand specific appraisal BRANZ typically extends the Xenon-arc weatherometer exposure to 7,000 hours.

EcoStar LLC tests all products to 10,000 hours @ 0.70 watts per square meter, resulting in an exposure of 25,200 KJ/m² (more than twice the international standard).

EcoStar slate tiles subjected to the above testing demonstrates the formulation of colour stable pigments is in sufficient concentration to ensure that the polymer is protected from degradation by UV, and will retain colour stability and structural stability over its warranted lifetime.

All Samples following 10,000 hour exposure were clear of any cracking, crazing, or other defect affecting service life.

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