

TECHNICAL NOTE

This statement describes the expected durability performance of ResortDeck with UltraShield Technology supplied by Outdure International Pty Ltd. This statement is in accordance with the performance requirements in clause B2.3 of the New Zealand Building Code and in response to the Guideline on Durability in Buildings Publication by the Australian Building Codes Board.

PRODUCT DEFINITION

ResortDeck is manufactured and branded to the joint Australian and New Zealand standard AS/NZS 5604-2003 and meets all current New Zealand and Australian Building Code requirements for timber decking.

PRODUCT DESCRIPTION

ResortDeck decking boards are 100% recyclable, made from a capped wood plastic composite (an advanced premium shield encasing all four sides around its inner core). The UltraShield and core are extruded together under a very high temperature mold simultaneously, so there are no adhesives or chemicals that are harmful to the environment. The core is made from carefully selected recycled material and highly dense recycled hardwood and softwood fibers that allow for greater strength and durability.

DURABILITY

ResortDeck has an above ground durability classification equivalent to Class 2, giving a probable life of 15 to 50 years. ResortDeck composite decking material is equivalent in durability to preservative-treated or naturally durable timber when subjected to weathering, termite attack, and other decaying elements. Accordingly, it is permitted to be used as an alternative to preservative-treated or naturally durable timber on decks. Additionally, it is permitted but not recommended to be used in direct contact with the ground. Designers can minimise potential durability problems by detailing falls to minimise moisture and detritus traps on the deck surface. Trim should be bevelled to shed moisture and boards must always be installed with gaps in between the edges of the boards so not trap water.

CONSULT OUTDURE LITERATURE FOR GUIDANCE ON RECOMMENDED DETAILING PRACTICES FOR SPECIFIC PRODUCTS AND APPLICATIONS OR CALL OUTDURE FOR TECHNICAL ASSISTANCE

LIMITATIONS

This statement shall be read subject to the ResortDeck being properly installed, handled, used and maintained in accordance with any specifications and instructions provided by Outdure for specific products and applications. ResortDeck is non structural and should not be used for construction structural elements according to the New Zealand and Australian Building codes.

TYPICAL APPLICATIONS AND SUB-STRUCTURE

ResortDeck is specifically designed as a deck cladding direct fixed to either treated Radiata timber, a steel substructure with joist layout recommended at 400 centers, or Outdure's QwickBuild subframe system made from marine-grade aluminium frames and plastic reinforced nylon components.

INSECTS

ResortDeck is not subject to any type of insect attack including but not limited to termite attack.

DAMPNESS

The UltraShield provides an impermeable layer as a defence to mildew, mold, rotting, splitting or cracking. Splitting is not able to occur on the surface of the board, therefore, giving a longer life span than regular uncapped composites. The shield provides protection from the core of the board and prevents mold and mildew from growing and eating at the board + has mold inhibitors that prevent mold growing on the inside of the board. Surface mold can still happen, however, it will never penetrate the board itself. but can easily be cleaned away with a hose and /or broom as it is not growing on the board but on the water. The shield also gives extra protection to staining and makes it easy to maintain and clean

DURABILITY TESTING

ResortDeck has been tested by Intertek in accordance with testing standards ASTM G154-12 of 2500 hours of Weathering Testing, ASTM D6109-05 Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastic Lumber and Related Products, ASTM D2565-99(R2008) Standard Practice for Xenon-Arc Exposure of Plastics Intended for Outdoor Applications, ASTM D790-07 Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating materials. The Flexural strength and modulus of elasticity did not decrease after 2000 hrs of exposure of accelerated weathering. Due to the unique formulation of the shield testing has only shown very minor changes in colour over many years.

WARRANTY

For information on warranty, maintenance and care, please refer to www.outdure.com/care