

TECHNICAL NOTE

This statement describes the expected durability performance of CasaDeck 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

CasaDeck 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

CasaDeck is manufactured from an approximate 50/50 blend of recycled HDPE (High Density Polyethylene) and timber wood fibre in a strictly controlled process.

DURABILITY

CasaDeck 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 CasaDeck being properly installed, handled, used and maintained in accordance with any specifications and instructions provided by Outdure for specific products and applications. CasaDeck 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

CasaDeck 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

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

DAMPNESS

CasaDeck absorbs less than 1% moisture, making it extremely resistant to moisture. It remains unaffected by condensation, dew, or solar driven water. Excess water will sit on the boards but not be absorbed. CasaDeck dries in a fraction of the time taken for all soft and hardwoods to dry. This attribute is one of the keys to its long term durability as it is not damaged by prolonged exposure to dampness from typical weather patterns in New Zealand or Australia. If installed in a damp situation with no direct sunlight, mould spores will grow on the surface of the deck. These can be removed easily using one of the specified deck cleaners.

DURABILITY TESTING

CasaDeck 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