

SUPERSPAN' Durability Statement: SuperSpan Aluminium Subframe System

Technical Note

SuperSpan framing system is designed for outdoor use and can be used in corrosive environments where necessary protection and specification is adhered to. It is the responsibility of the designer/specifier/architect to assess the durability requirements (B1/B2 NZBC) of the piles and/or deck supports. For site specific job locations, ShadowDeck can give advice on the performance of the SuperSpan system.

Product Definition

SuperSpan modular framing system for deck, tile and turf applications.

Durability

Based on global historical applications of 6061-T6 marine grade structural aluminium with a protective surface finish of 25 micron anodizing, + 304 Stainless Steel, SuperSpan has an estimated above ground probable life of 50+ years. CONSULT SHADOWDECK SUPERSPAN LITERATURE FOR GUIDANCE ON RECOMMENDED DETAILING PRACTICES FOR SPECIFIC PRODUCTS AND APPLICATIONS OR CALL SHADOWDECK FOR TECHNICAL ASSISTANCE & GUIDANCE ON PRODUCT LIMITATIONS.

This statement shall be read subject to the SuperSpan being properly installed, handled, used and maintained in accordance with any specifications and instructions provided by ShadowDeck for specific products and applications

Typical Applications

SuperSpan is specifically designed as a framing system for use over waterproof membrane, concrete and soil.

Insects

SUPERSPAN deck framing system is not subject to any type of insect attack including but not limited to termite attack.

Dampness

SuperSpan framing system is produced from moisture resistant 6061-T6 Aluminium and 304 stainless steel components but relies on adequate ventilation to rid of excess moisture from the components to avoid accelerated corrosion and growth of microbial entities. Find additional information in the ShadowDeck Maintenance and Care Guide.

Corrosion

Aluminium has inherently good corrosion resistance and requires less protection than most metals. However, for installations in highly corrosive environments, such as spray zones (ZONE D) Aluminium alloys are used in engineering structures globally. When aluminium corrosion characteristics are

properly understood, it becomes easy to predict how it will behave in the field. When negative effects are anticipated, solutions are inexpensive and easy to include in the design phase. Please contact ShadowDeck directly for additional specification guidelines. More information can be found at www.ShadowDeck.co.nz

Warranty

For information on warranty, maintenance and care, please refer to www.ShadowDeck.co.nz