

# Specifications

## Structure Design & Components

This specification is for pre-assembled products.

Alfresco AO ALO A TS ALH ALS AR ALR

Casablanca C30 C36 C27 C40

Mediterranean M20 M30

Boulevard Series - BSS Range

This specification is for Modular products.

Monaco Series

Quasar Series

Pavilion Series

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### TECHNICAL INFORMATION

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#### Design

The structures have been designed in accordance with the principles of structural mechanics to resist loading in accordance with the Building Code of Australia and the relevant Australian Standards listed below:

Structural Design Actions

AS/NZS 1170.0 - General Principles.

AS/NZS 1170.1 - Permanent, Imposed and other Actions.

AS/NZS 1170.2 - Wind Actions.

AS 4100 - Steel Structures.

AS 3600 - Concrete Structures.

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#### Standards for Steelwork & Workmanship

The following Australian Standard Codes apply to materials and workmanship:

AS 1163 - Welded and seamless steel hollow sections for general structural purposes.

AS 3679 - Grade 250, Hot rolled structural steel sections.

AS 3578 - Structural steels, ordinary weldable grades.

AS 1554/SP - S.A.A. Structural steel welding code.

AS 1796 - Certification of welders & welding supervisors.

AS 1650 - Hot-dipped galvanised coatings on ferrous articles.

AS 1595 - Cold rolled steel strip.

AS 1397 - Galvanised steel strip.

AS 1450 - Steel tubes for mechanical purposes.

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#### Components

The tensile membrane is fabricated from Mehler Haku Polymar 8506, Mehatop F polyester fabric with PVDF laquer on both sides.

The expected life is up to 15 years.

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The structure employs galvanised tubular steel components, complying with the above codes, finished with Triple x white polyester powder coating system.

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Bolts, nuts and washers, wire rope cables, rigging screws and shackles are stainless steel Gr.304/Gr .316

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Pole sleeve is stainless steel Gr . 316

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Top hat is aluminium with white polyester powder coat.

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Arm end plugs are UV resistant Nylon 6 MO (extruded), colour black. (Polyamide 6 + molybdenum disulfide)

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Membrane top plate is weatherproof PVC Integral skin-foam sheet.

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