



# MARQUEESTRUCTURES

FRAME & PVC SALES · SUB HIRE · LAUNDRY & PVC CLEANING

Tel: 0113 440 2034

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## Aluminium & PVC Structures

Technical Specification for *Modu-Span* 3 to 9m span  
94 x 48mm profile

**Design Codes:** The structural components have been designed in full accordance with the following Design Codes.

**Structural steelwork:** BS 5950 Part 1 (1985)

**Structural aluminium:** BS 8118 Part 1 (1991)

**Wind loading:** BS 6399 Part 2 (1997)

**Material Specification**  
Steelwork: Mild Steel (Grade 43)  
Aluminium: Alloy (Grade 6005T6)  
(0.2% proof stress = 240N/mm<sup>2</sup>.)  
(Tensile stress = 270N/mm<sup>2</sup>.)

**Design Conditions** The combined structural framework has been designed to safely withstand the imposed factored loading arising from a design wind speed of 28 metres per second.

Note: Owing to the structure's limitation of supporting the full possible snow loading, it is recommended that during wintry weather conditions the area below be heated in order to prevent a large accumulation of snow on the roof.

### **Structural Components** 3/6/9m *Modu-Span*

Aluminium roof beam & legs	94mm x 48mm x3mm
Eave Rail	67mm x 45mm x2mm
Purlin Centre & Ridge	40mm x 30mm x5mm
Gable End Legs	94mm x 48mm x 3mm
Eave Knuckle (Steel)	60mm x 40mm x 4mm
Roof Knuckle (Steel)	60mm x 40mm x 3mm
Bracing (vertical)	35mm x 40mm x 2.5mm
Bracing (roof)	6mm dia. wire rope



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## Aluminium & PVC Structures

Technical Specification for *Modu-Span* 12m span  
114 x 80mm profile

**Design Codes:** The structural components have been designed in full accordance with the following Design Codes

**Structural steelwork:** BS 5950 Part 1 (1985)

**Structural aluminium:** BS 8118 Part 1 (1991)

**Wind loading:** BS 6399 Part 2 (1997)

**Material Specification** Steelwork: Mild Steel (Grade 43)  
Aluminium: Alloy (Grade 6005T6)  
(0.2% proof stress = 240N/mm<sup>2</sup>.)  
(Tensile stress = 270N/mm<sup>2</sup>.)

**Design Conditions** The combined structural framework has been designed to safely withstand the imposed factored loading arising from a design wind speed of 36 metres per second.

Note: Owing to the structure's limitation of supporting the maximum possible snow loading, it is recommended that during wintry weather conditions the area below is heated in order to prevent a large accumulation of snow on the roof.)

**Structural Components** 12m *Modu-Span*

Aluminium roof beam & legs	114mm x 80mm x3mm
Eave Rail	67mm x 45mm x2mm
Purlin Centre & Ridge	30mm x 30mm x2.5mm
Gable End Legs	94mm x 48mm x 3mm
Eave Knuckle (Steel)	70mm x 70mm x 8mm with 30mm x12mm bracing to the back
Roof Knuckle (Steel)	70mm x 70mm x 3mm
Bracing (vertical)	35mm x 30mm x 2.5mm
Bracing (roof)	8mm dia. wire rope



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