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The Formwork Experts.

Alu Box Beam

The super strong, lightweight Aluminum Beam

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The innovative cross-section of the Alu box beam provides a high load capacity, permitting optimized equipment usage on site. The integrated nailing strip and continuous T-slot provide a versatile construction member that is adaptable to various jobsite requirements.

High load capacity

achieved by innovative beam cross-section

- permitted shear force 23.2 kN / 5.2 kip
- permitted bending moment 14.9 kNm / 11 kip-ft
- weight 7.3 kg/m / 4.8 lbs/ft
- height of beam 17.5 cm / 6.9 in

Long lifespan

thanks to high manufacturing quality

- high number of re-use is possible based on the robust material design properties of aluminum
- versatility of continuous T-slot connection point
- integrated high grade plastic nailing strip allows for easy attachment of plywood

	Alu-box beam 8'-0"	Alu-box beam 12'-0"	Alu-box beam 18'-0"
Weight (lbs.)	34.0	50.0	76.0
Item Number	585860000	585861000	585862000

Additional lengths on enquiry

Cut costs

by reducing the number of items needed

- up to 1/3 fewer props for floor slabs, as increased primary beam spacing is possible
- up to 50 percent fewer primary beams in the top construction of fully loaded shore towers, thanks to a high load capacity
- optimized site logistics and lower freight costs, as fewer items are required



Versatility through continuous T-slot connection point



The lightweight aluminium beam at City View Garage project in Miami, Florida.