



Multiplate Structures



CSP Pacific Multiplate structures are designed and manufactured based on AS/NZS 2041:2011 'Buried Corrugated Structures' standard for up to 100 years service life - so they can be specified and installed with confidence.

In comparison to other materials, Multiplate structures provide better strength to weight ratios, allowing comparatively lightweight material to withstand very high dead loads and traffic induced live loads. Contractors are not confronted with the problems of transport and on-site breakage and disjuncting due to movement.

The versatility of Multiplate structures is only limited by engineering inventiveness. Traditionally they are used for culverts, bridges, storm drains, pedestrian and stock underpasses. Other non-traditional uses are mine and tunnel portal protection, conveyor housings, water tanks, underground storage facilities and even wineries.

CSP Pacific's range includes the following culverts capable of up to 10m spans:

- » **Steel Multiplate** culvert is a galvanised steel wall solution providing up to **50 years** durability in low corrosion environmental conditions.
- » **Aluminium Multiplate** culverts use marine grade 5052-H34 alloy aluminium plates which offer **75 years** durability in most environmental conditions.
- » **Multiplate 100+** has been specifically engineered to achieve **100 years** design life required on some infrastructure projects in New Zealand.

For spans exceeding 10m CSP Pacific is the sole distributor in New Zealand for **SuperCor®** culverts fabricated by Atlantic Industries Limited.



Cost Benefits

A Multiplate structure installation can provide many advantages.

- » Different culvert specifications are available for 25, 50, 75 and 100 years service life, insuring customers only pay for the durability the project requires.
- » Fast, economical job completion.
- » Due to the light weight of the plates (typically less than 50 kg for aluminium and less than 150 kg for steel) assembly costs are low.
- » Can be pre-assembled off site to reduce inconvenience and costs to maintaining existing services.
- » Range of profiles to suit most situations.
- » Very economical in projects with high levels of fill.

More information on **Multiplate Structures** can be found at www.csppacific.co.nz or call **0800 655 200**

Leading road side and barrier systems supplier

CSP PACIFIC

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Columns



Multiplate



Hire



Barriers



Traffic Control