

TETRAPODS are concrete structures that protect shorelines and river banks by acting as breakwaters. Tetrapods, after the Greek word for 'four feet', are shaped like a tetrahedron: a triangular pyramid with four faces and four corners. The legs of the tetrapods hook into each other, creating a row of stable concrete breakwaters along the coast.

Tetrapods are originally a French invention but are used worldwide. In fact, in Japan, the concrete blocks line about half of the country's coastline. Traditional concrete blocks can easily shift due to the force of the waves, but concrete tetrapods are a very effective way to break waves, as water can flow between them. This diminishes the force of the incoming water, with waves losing force and impact. Tetrapods protect coastlines against high waves caused by natural hazards like tsunamis, earthquakes, hurricanes and wind gusts.

Making tetrapods couldn't be easier with this tetrapods mould. Simply pour new or leftover concrete into the mould, wait for the concrete to cure and demould your brand-new tetrapod! All the moulds are made of high-quality steel and feature a rust, impact and scratch-resistant powder coating to increase their lifespan. Our moulds are built to last and will keep producing concrete elements year after year. An additional advantage of the powder coating is that you can take your pick from a wide range of colours.



TETRAPOD MOULD



Tetrapod mould 1T
140x140x122 cm



Tetrapod mould 1.5T
155x150x136 cm



Tetrapod mould 3T
195x195x172 cm



Tetrapod mould 5T
234x234x208 cm



Tetrapod mould 7.8T
235x235x208 cm

We carry various different tetrapod moulds, including a 1 tonne, 1.5 tonne, 3 tonne, 5 tonne and 7.8 tonne version (metric tonnes). Because they are very large and consist of a large amount of concrete, it takes longer to create a ready-to-use tetrapod than a standard concrete block. While a concrete block takes approximately 24 hours, it can take anywhere from 48 to 72 hours for a tetrapod to cure properly and be ready for use, depending on local conditions.



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