# MARINE REEF MAT

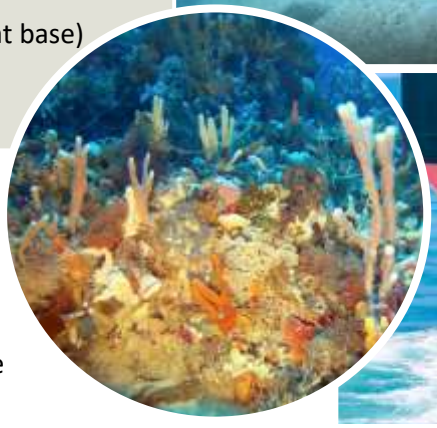
## Ecofriendly To Enhance Marine Life

Purpose-built, eco-friendly mats that attract marine life through specially formulated concrete mixture and surface textures.
Engineered by leading marine scientists, these mats will enable rapid recolonisation of shellfish, seaweeds and sponges, supporting healthy marine ecosystems.
Manufactured in Australia, for fast deployment and ready to install onsite.

*Designed and endorsed in partnership with expert marine scientists from Offshore Biotechnologies, who have decades of experience undertaking reef restoration around the world.*

### CHARACTERISTICS

- **Plastic and fly ash free**
- **Mat dimensions:** 1200W x 2400L x 120H (mm)
- **Blocks per mat:** 18 blocks per mat, connected with high strength Stainless Steel Cable or Aquatec Rope
- **Individual concrete blocks:** 50 MPa, wet-cast Portland cement. Trapezoid-shaped blocks measuring: top face 290x290mm, bottom face 390x390mm, height 120mm.
- **Spacing between blocks:** 115mm (at top) and 15mm (at base)
- **Weight:** 214 kg per m2 or 616 kg per mat
- Specs can be **customized** for your project.



**Natural Products**

Concrete mixture incorporates recycled natural oyster, scallop, and mussel shells, creating a circular economy.

**Neutral pH Balance, Added Calcium**

A neutral ocean pH and added calcium attracts marine life by matching the chemistry of natural reefs.

**Eco-Engineered Structure**

Textured surfaces, embedded shells and crevices mimic natural reefs, attracting marine sponges, shellfish, seaweeds, fish and invertebrates.

**Modular and Scalable**

Adaptable to a variety of seabed and marine conditions, including shoreline stabilisation, scour protection, pipeline crossings, bridge abutments , wharf piers, harbour foundations, and habitat enhancement for decommissioned infrastructure.

**Designed for Offshore Durabilty**

Built to perform in high-energy marine environments while reducing the need for artificial rock or steel structures.

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