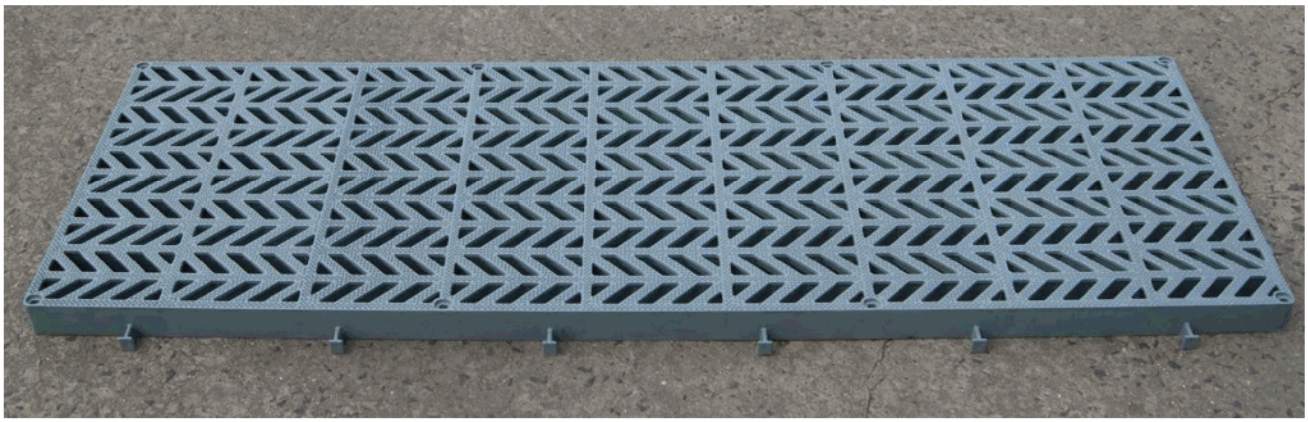
REPLAS
RECYCLED PLASTIC PRODUCTS

Enduro-Mesh

The Recycled Plastic Alternative

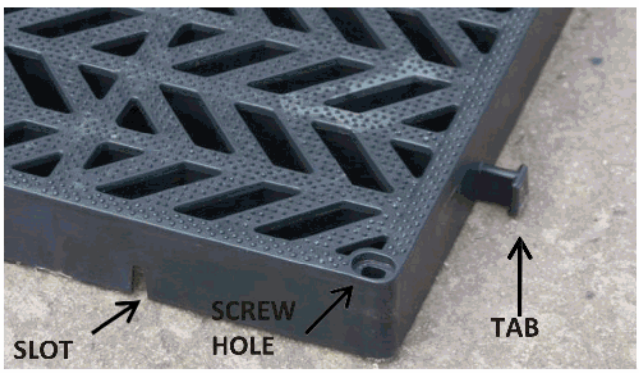


Enduro – Mesh panels are a long lasting, low maintenance alternative to traditional materials used for walkway or platform construction.

They are ideal for jetties, boardwalks, decking, temporary floors, roof platforms, wet areas, attic or shed flooring, wash down bays, stairs, mats around swimming pools or machinery, etc.

Thousands of dimples cover the entire top surface to prevent slips, even when barefoot.

- More economical than alternatives over time
- Impervious to corrosion, rot, mildew or insects
- Friendly to aquatic environments - allow light, water and air through
- Open slots help to minimise storm damage
- Do not contain toxic chemicals
- Moulded in one piece from UV-stabilised polypropylene resin for strength & durability
- Unaffected by salt water and most chemicals
- Quick to install, clip together in either direction
- Recessed elongated screw holes moulded in
- Australian made and owned
- 15 year Structural Warranty
- Material is made from recycled plastic



Recycled Plastic Colour Range

Green Light

Black

Note: The colour chart above may not exactly match the actual colour and should be used only as a guide.

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TECHNICAL INFORMATION

INSTALLATION INSTRUCTIONS

Enduro-Mesh panels must be installed across support beams with centre to centre spacing of 400mm. Full strength is achieved only with the panels running perpendicular to the support beams as shown in Fig.1.

Tabs of one panel fit into slots of the next panel. Tabs can be easily cut off visible edges of panels using a saw.

Adjoining panels must have a 5 to 6mm gap between them to allow for thermal expansion & contraction. Removed tabs can be used as spacers to achieve consistent gaps between panels (see Fig.2).

Screws must have a pan head with a diameter between 9.0mm and 11.5mm and must not be over-tightened as this will prevent thermal expansion, which will cause distortion and void the warranty. Appropriate screws are available from Replas.

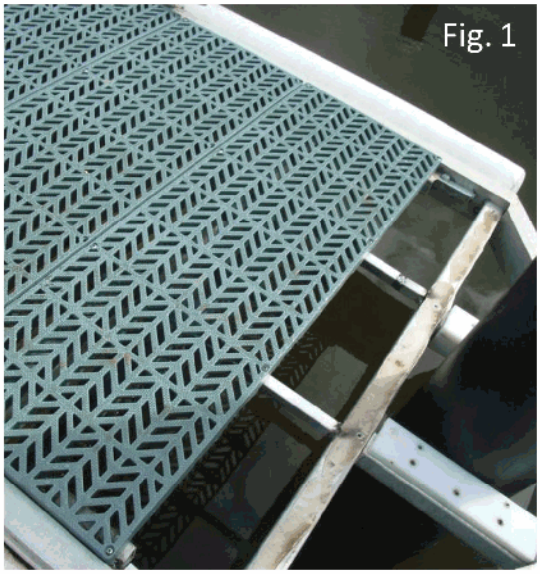
Fig. 1

SPECIFICATIONS

Material: Polypropylene Copolymer Walkway
Area (LxW): 1200x400mm = 0.48m^2

Weight: 4.2kg approx. Qty per pallet: 56
Panel Dimensions inc. tabs (LxWxH): 1225x422x40mm

APPLICABLE STANDARDS

Fig. 2

AS/NZS 1170.0 - 2002 Structural Design Actions – General Principles
AS/NZS 1170.1 - 2002 Structural Design Actions – Permanent, Imposed and Other Actions
AS/NZS 3962 - 2001 Guidelines for Design of Marinas
AS/NZS 4997 - 2005 Guidelines for the Design of Maritime Structures
AS/NZS 1657 - 1992 Fixed Platforms, Walkways, Stairways & Ladders – Design, Construction & Installation
AS/NZS 2156.2 - 2001 Walking Tracks – Infrastructure Design
AS/NZS 4586 - 2004 Slip resistance classification of new pedestrian surface materials

TEST RESULTS

It is up to the user to assess suitability of this product for the specific application based on the test results provided below.

TEST DESCRIPTION	TEST STANDARD	RESULT
Concentrated Load Test	AS/NZS 1170.1 Structural Design Actions	4.5 kN
Uniformly Distributed Load Test	AS/NZS 1170.1 Structural Design Actions	5 kPa
Wet Pendulum Slip Test	AS/NZS 4586:2004 Appendix A, Slider 55 (TRRL)	V
Wet Pendulum Slip Test	AS/NZS 4586:2004 Appendix A, Slider 96 (4S)	X
Dry Floor Friction Test	AS/NZS 4586:2004 Appendix B, Slider 96 (4S)	F
Wet Barefoot Ramp Slip Test	AS/NZS 4586:2004 Appendix C	C
Oil-Wet Ramp Slip Test	AS/NZS 4586:2004 Appendix D	R10