

ENGINEERING & HIGH PERFORMANCE
PLASTICS SPECIALISTS



Capability Statement



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Company Overview

Established in 1981, E-Plas is a leading Australian distributor providing high-performance and engineering plastic solutions, specialising in advanced linings materials with a vast range of performance and engineering plastics.

With decades of industry experience and a commitment to precision, reliability and innovation E-Plas supports clients across many fields including mining, marine, water treatment, food processing, agriculture and industrial sectors.

Services include Cut to Size, CNC Manufacturing and Fabrication, Poly-Welding and Installation.

Australia wide Service and Delivery and International Service and Delivery upon request.

Why E-Plas?

- Experienced Team - Highly skilled sales team, machinists with industry-specific knowledge
- Quality Assurance - Commitment to precision, reliability, and material traceability
- Customer Focused - Collaborative approach to solving technical and operational challenges

Core Capabilities

Plastic Distribution

- Extensive inventory of sheet and rod in a wide range of high-performance and engineering plastics
- Technical support to assist in material selection for performance, durability and compliance

CNC Machining & Manual Machining

- Machining of complex parts
- CAD/CAM integration for high-precision and repeatability
- One-off prototypes through to production runs

Plastic Fabrication Service

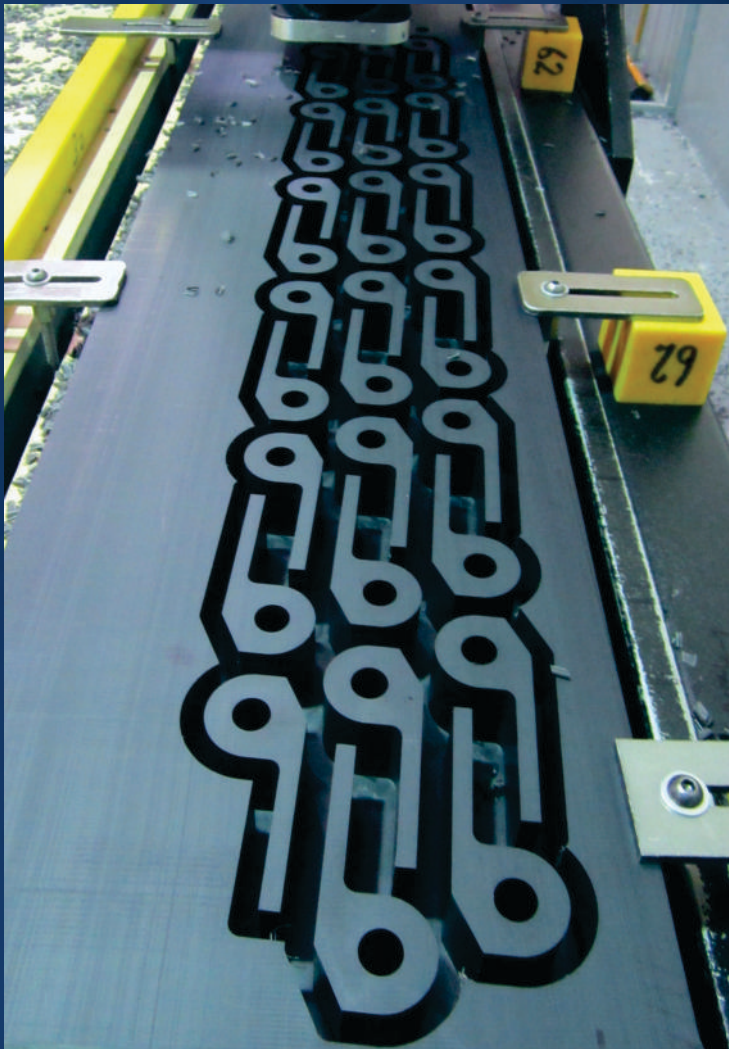
- Custom fabrication of plastic components and assemblies
- Precision forming, bending, welding and bonding techniques
- Solutions for tanks, guards, chutes, hoppers, wear components and structural parts

Poly Welding Service

- Butt welding, extrusion welding of polyethylene, polypropylene and PVC

E-Plas On-Site Installation & Maintenance Services

- E-Plas provides coordination and support for on-site lining projects, helping ensure installations run smoothly and to specification.
- Our team can assist with planning, material supply and installation and on-site as required
- Where needed E-Plas can help manage timelines, site access, and installation sequencing to align with broader project schedules





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Accreditations - ISO 9001:2015 Quality Management System - Certificate QEC20749

E-Plas maintains a certified ISO 9001 Quality Management System with twenty plus years unblemished quality certification. Regularly monitored by registered certification body SAI Global through scheduled external Audit program. E-Plas also conducts scheduled Internal Quality Audit, WHS Meetings and Checks.

Material Range & Suppliers

E-Plas has extensive, reliable national stock holdings and guaranteed highest quality world renowned Suppliers with excellent pricing, delivery and technical support.

MCAM (Mitsubishi Chemicals Advanced Materials) - TIVAR® UHMW-PE Linings Range

TIVAR® 88, TIVAR® 88-2, TIVAR® CeramP, TIVAR® Dryslide, TIVAR® HPV, TIVAR® Rubber-Backed, QuickSilver® Truck Lining System, QuickSilver® Heavy Duty Truck Lining

Rochling Sustaplast & Rochling Engineering Plastics

Sustarin® Acetal, Sustamid® Nylons, SustaPEEK®, Sustadur® PET, Sustadur® PETP

BEN Plastics

HDPE Range

Fluorseals

PTFE Range

EGR

Polycarbonate

Other Available Materials Include

Acrylic, Bakelite, LDPE, PEI, PU, PVC

Industries Served

- Mining & Quarrying
- Bulk Materials Handling
- Infrastructure
- Truck & Heavy Machinery Lining
- Ship / Bulk Carriers
- Marine & Aquaculture
- Defence
- Food & Beverage Processing
- Water & Wastewater Management
- Agriculture & Livestock Management
- Manufacturing & Fabrication
- Medical
- Conveying
- Energy and Resources





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Significant Projects

Project: Mining/Bulk Handling - SA

Tivar 88 sheets, precision cut and machined to suit the steel substrate of cargo areas. A dedicated installation team of 20 prepared the surface by grinding and cleaning the steel to ensure optimal conditions for stud welding. Once the substrate is prepared, the sheets were then accurately positioned and mechanically secured using welded studs and fasteners. The result is a robust, low-friction lining system designed for long-term durability in high-wear environments.

Project: Abattoir/Meat Processing - WA

Profiled Tivar® strips were custom machined to precisely suit a chain with hooks running over steel conveyor strips used for conveying raw meat through the factory. These low-friction wear strips act as a durable interface between the chain and steel, resulting in extended conveyor life, reduced operational noise and smoother chain movement throughout the production process.

Project: Energy and Resources - VIC

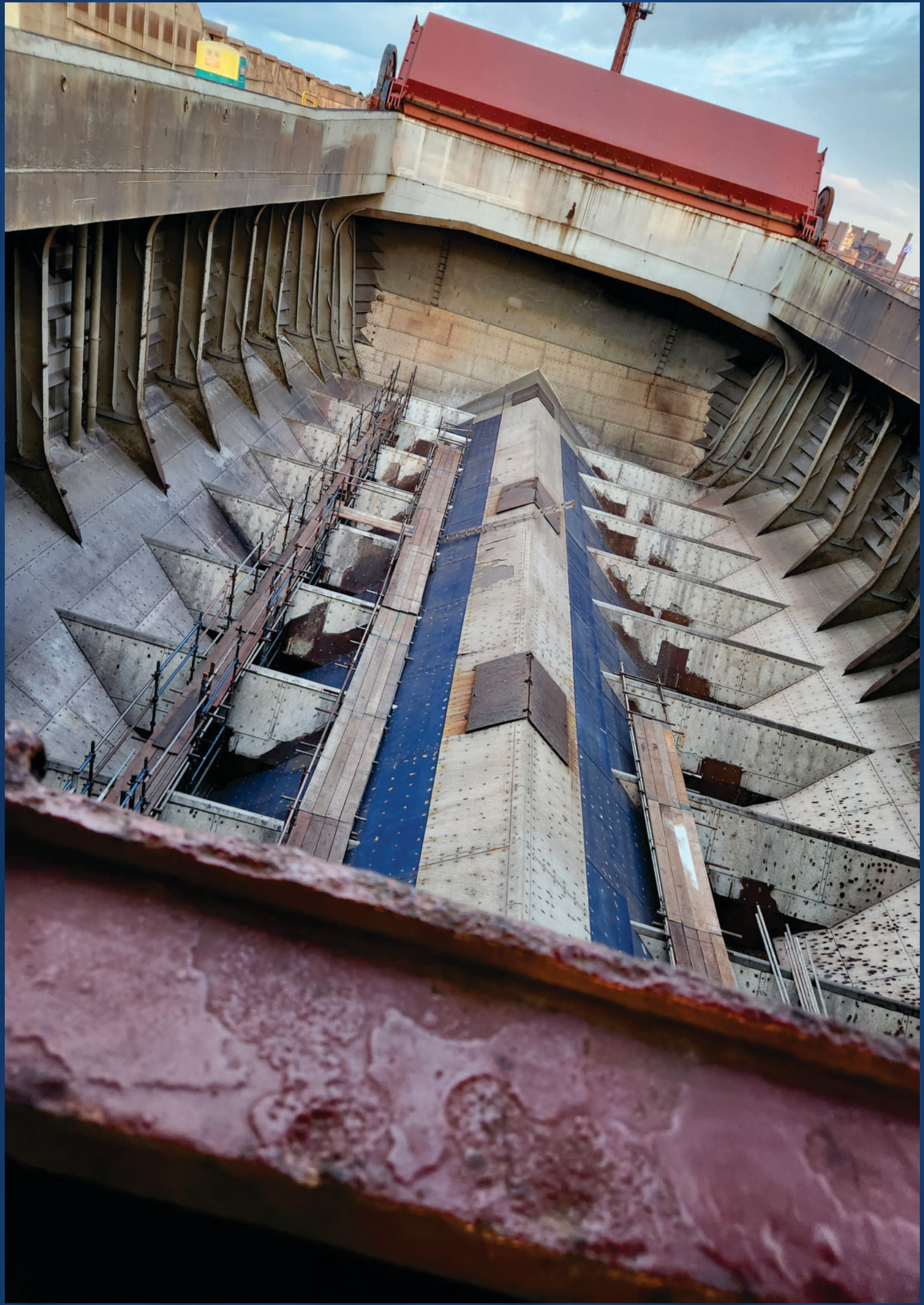
Tivar® Ceram P sheets were cut and pre-drilled to specification drawings and supplied in kit form to line 52 transfer chutes handling coal. The prefabricated kits streamlined on-site installation, providing a highly wear-resistant, low-friction lining solution ideal for the abrasive nature of coal flow.

Project: Medical - VIC

6mm ESD-safe polycarbonate sheets were prefabricated and precision-machined to form safety guarding on machinery used in the production of COVID-19 test kits. The material provided static control, high impact resistance, and clear visibility, ensuring both operator safety and product protection in a sensitive manufacturing environment.

Project: Marine - NSW

Black HDPE rubbing blocks were precision-machined and mounted on a custom steel frame to form a key part of Sydney's busy ferry terminal docking system. The buffers absorb impact between ferry and dock, ensuring smooth, safe mooring whilst reducing wear on infrastructure. Durable and low maintenance, they withstand harsh marine conditions and heavy traffic, enhancing safety and asset longevity.





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Contact Us

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