



Era Polymers Pty. Ltd.
25-27 Green Street, Banksmeadow
Sydney, NSW 2019
AUSTRALIA
www.erapol.com.au

Erabond Metal

POLYURETHANE TO METAL PRIMER

TECHNICAL DATASHEET

ERABOND METAL is a high strength single coat primer system for bonding liquid urethanes to most metal substrates. Extensive evaluation has shown the adhesion of the **ERABOND METAL** primer is superior to many other primers currently used in the industry.

Application

Suitable for use on properly prepared metal substrates such as steel, iron, aluminium, and manganese.

Product Specification

Appearance	A red or clear liquid
Brookfield Viscosity at 25°C (cps)	150-250
Solids Content (%)	25
Flash point (°C)	5
Specific Gravity at 25°C	0.90
Theoretical Coverage	9m ² /Kg (10m ² /L)
Recommended DFT	0.06 - 0.12mm 60 - 120µm 2.4 – 4.7mil
Shelf Life	12 months

Features

- High Performance
- Low Viscosity
- Single Component
- Can be Brush, Dip or Spray Applied
- Temperature Tolerant (-45°C – 180°C)
- Good Chemical Resistance



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Surface Preparation

As with all primers and bonding agents the surface preparation is critical in achieving a good bond.

The metal surface should be free of grease, dirt and rust.

Ideally all surfaces should be grit blasted with clean filtered steel grit or sharp alumina and then solvent degreased prior to ERABOND METAL being applied.

In severe dynamic applications or in wet immersion applications good metal preparation is very important.

Directions for use

Using a soft brush, apply one or two coats of ERABOND METAL to properly prepared substrate to achieve the recommended DFT.

Allow 30 minutes between coats and up to an hour after final coat to allow all the solvent to evaporate.

ERABOND METAL adhesion is enhanced by baking at temperatures up to 120°C as part of standard preheating of moulds and inserts.

ERABOND METAL can also be dipped or spray applied.

Handling Precautions

Before handling these chemicals please consult the **Erabond Metal** Material Safety Data Sheet.

ERABOND METAL is flammable and should be kept away from all heat and ignition sources.

Adequate ventilation is required (see the MSDS) with approved engineering controls and personal protective equipment.

Contact with the skin or eyes must be avoided and avoid breathing in vapour or spray.

The appropriate PPE should be worn whenever handling the chemicals.