



PRODUCT DETAILS

Product name **Pro-Prime® Metal**
Product type Metal primer

PRODUCT DESCRIPTION

Pro-Prime® Metal is an alkyd based, quick drying bonding agent with moisture resistant and corrosion protection properties, used on metal surfaces to promote adhesion of Proteus Waterproofing liquid applied membranes.

APPLICATION

Pro-Prime® Metal is designed for airless or conventional applications on the following surfaces:

- Mild steel
- Shot blasted steel
- Aluminium
- Galvanised steel

Pro-Prime® Metal is suitable for use with the following waterproofing membranes:

- Cold Melt®
- Proteus Pro-Cold®
- Pro-BW Plus®
- Pro-BW LO®

INSTALLATION

Substrate preparation

- Surfaces must be clean, dry, and free from grease, oil, and dust
- Remove all friable material and other contamination prior to installation
- Adhesion on substrates may be improved by scuffing the surface with a fine grade abrasive hand pad
- Ideal substrate temperature should be **5°C** or above during installation and curing process

Product preparation

- **Pro-Prime® Metal** should be shaken thoroughly for a minimum of 15 – 20 seconds prior to use

Installation method

- Apply a thin coat of **Pro-Prime® Metal** to a recommended coverage rate of **0.1 L/m² at 55 microns** (dry film thickness) or **0.2 L/m² at 100 microns** (wet film thickness)
- It is recommended to apply **1 to 2 coats** of **Pro-Prime® Metal**
- Flash off time between coats is 10 - 15 minutes
- Recoating/overcoating time should be a minimum of 1 hour at 20°C
- Wet film thickness is 100 microns. Dry film thickness is 55 microns

Drying time after application @ 20°C

Touch dry	20 – 30 minutes
Hard Dry	3 hours
Full Dry	24 hours

TECHNICAL INFORMATION

Characteristic	Value	Unit
Ignition temperature	500	°C
Flash point	24	°C
Density @ 20°C	1.4	g/cm ³
Vapour pressure @ 20°C	6.7 - 8.2	hPa
Viscosity - dynamic @ 20°C	200	mPas
Solids by volume	55	%
Maximum VOC content	0.450	Kg/L
Initial boiling point and boiling range	137 - 143	°C

SIZE AND COLOUR

Product Code	Height cm	Diameter cm	Volume ml	Weight g	Colour
PRMESP01	20	7	400	450	Light Grey

SHELF LIFE AND HANDLING

- Shelf life is **12** months from delivery date when kept in original sealed containers
- Store in temperatures between **5 - 25 °C**

MATERIAL

Modified zinc phosphate.

PACKAGING

Supplied in aerosol cans.

LIMITATIONS OF USE

For professional use only.

Substrate and ambient temperature should not be below **5°C** or above **40°C**.

CHEMICAL PROPERTIES, SAFETY GUIDANCE AND DISPOSAL

Please refer to **Pro-Prime® Metal Safety Datasheet**.

GUARANTEES

Defects arising from lack of maintenance or abnormal use may fall outside of the cover of the Proteus Waterproofing guarantee.

GUIDELINES AND STANDARDS

It is the responsibility of the Contractor to thoroughly familiarise themselves with all relevant Codes of Practice and Building Regulations to the works or referred in the specification.

Proteus Waterproofing take no responsibility for misinterpretation or lack of knowledge for third parties.

The works shall be carried out in accordance with the requirements of:

- **BS 6229** Flat roofs with continuously supported flexible waterproof coverings - Code of practice
- **BS 8217** Reinforced bitumen membranes for roofing - Code of practice
- **BS 8000-0** Workmanship on construction sites - Introduction and general principles
- **BS 8000-4** Workmanship on building sites - Code of practice for waterproofing
- **LRWA** [Design Guide for Specifiers](#)
- **S2T** [Safe to Torch](#)
- **GRO** [Code of Best Practice](#)