

# APTC Leakproof PU Primer Metal

## Polyurethane metal primer

### Description

**APTC Leakproof PU Primer Metal** is a high performance, one component primer specially formulated to enhance the bond between liquid urethanes and metal substrates.

Designed for use with most metal substrates, it is easy to use, provides superior adhesion to the substrate, and is compatible with other polyurethane products in the Leakproof range

### Uses

**APTC Leakproof PU Primer Metal** is formulated for use over metal substrates

**Suitable substrates:** Aluminium, iron, manganese, steel

### Features & Benefits

|                                      |                                    |
|--------------------------------------|------------------------------------|
| High performance                     | Suitable for metal substrates      |
| Single component                     | Temperature tolerant (-45°C-180°C) |
| Superior adhesion                    | Low viscosity                      |
| Easy application—brush, dip or spray | Good chemical resistance           |

### Specifications & Technical Properties

|                        |                       |
|------------------------|-----------------------|
| APPEARANCE             | Red or clear liquid   |
| VISCOSITY (BROOKFIELD) | 150-250 at 25°C (cPs) |
| SOLIDS CONTENT %       | 25%                   |
| MEK CONTENT            | <50%                  |
| SPECIFIC GRAVITY       | 0.90 at 25°C          |
| FLASH POINT(°C)        | 5                     |

### Surface Preparation

All surfaces and substrates to be primed must be clean, dry and structurally sound. Any loose particles, grease, oils, silicones, curing compounds, release agents, efflorescence, laitance, sharp protruding objects or contamination likely to prevent bonding must be removed before application.

Grit blasting with a clean filtered steel grit or sharp alumina is recommended followed by the use of a solvent degreaser.

## Application

**APTC Leakproof PU Primer Metal** can be applied using a soft brush. Full and even coverage must be achieved.

- Apply 1-2 coats to properly prepared substrates to achieve a minimum dry film thickness of 20-40µm
- Allow 30 minutes between coats and 1 hour after final coat for solvent to evaporate before application of membrane/coating
- Product may also be dipped or spray applied

### Baking:

Adhesion of **APTC Leakproof PU Primer Metal** can be enhanced by baking at temperatures up to 110°C for 2 hours as part of standard preheating of moulds and inserts. Do not exceed baking times of 20 hours at 110°C as degradation of bonding efficiency may occur.

It is recommended that surface finishings/waterproofing membranes be applied as soon as primer has dried to prevent possible surface contamination.

## Drying time

|                    |            |
|--------------------|------------|
| Time between coats | 30 minutes |
| Full cure          | 1 hour     |

Drying time will be affected by surface and ambient temperature. Longer drying times will be needed in cool, damp or humid weather conditions.

## Coverage

| Size | Consumption rate         | Total coverage per pail (1 coat) |
|------|--------------------------|----------------------------------|
| 4lt  | 1lt per 12m <sup>2</sup> | 48m <sup>2</sup>                 |

## Clean up

Clean all tools, equipment and excess product with warm water and detergent before the product dries.

## Packaging & Storage

Size: 4lt pails

Storage/shelf life: 12 months from date of production in unopened container when stored in a cool, dry and well ventilated place.

## Limitations

The suitability of the product for each intended use must be determined by the purchaser prior to the application of the product.

## Health & Safety

APTC Australia supports best practice in material handling; gloves, mask, safety goggles and protective clothing should be worn when handling and using this product. Adequate ventilation is required when applying.



## Health & Safety cont'd:

Product may cause allergic skin reaction. Keep out of reach of children.

**SKIN:** Effects may be delayed. If product comes into contact with skin or hair, remove contaminated clothing immediately and flush with running water for 15 minutes or until advise to stop by Poisons Information Centre or doctor. For skin burns, cover with clean dry dressing until medical help is available. If blistering occurs, DO NOT break blisters. If allergic reaction occurs—swelling, blistering or redness—seek medical advice. **SWALLOWED:** If swallowed, do NOT induce vomiting. Give a glass of water. Immediately contact Poisons Information Centre or doctor. If vomiting occurs give a further glass of water. Seek medical advice. **EYES:** In case of contact with eyes, hold eyelids apart and flush continuously with water. Seek medical advice. **INHALATION:** Remove from contaminated area. Keep patient warm and comfortable and allow to rest until fully recovered. Seek medical advice if effects persist.

If poisoning occurs contact a doctor or Poisons Information Centre Ph 13 11 26 (Australia)

**Fire:** If involved in a fire use alcohol or a dry agent such as carbon dioxide or dry chemical powder.

**Disposal:** Dispose of empty containers in accordance with local, regional, national and international regulations

Safety data sheets (SDS) for this product are available on the APTC Australia website [www.aptc Aust.com.au](http://www.aptc Aust.com.au). Read the TDS and SDS carefully before using any product.

## Disclaimer

The information and recommendations provided regarding the application and use of APTC Australia products are based on APTC Australia's current knowledge and experience, assuming proper storage, handling, and application according to our guidelines. However, due to variations in materials, substrates, and site conditions, we cannot guarantee any warranties related to merchantability or fitness for a particular purpose, nor assume any liability based on this information, written recommendations, or other advice. Users must assess the suitability of the products for their specific application and purpose. APTC Australia reserves the right to modify product properties at any time. Third-party proprietary rights must be respected. All orders are subject to our current terms of sale and delivery. For the most up-to-date product information, users should refer to the latest version of the local product data sheet, which can be provided upon request.

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