

# METCOTE – Application Instructions

## DESCRIPTION

**Metcote** is a quick drying single pack anti corrosion primer and heat resistant coating for metal. It can be used on mild steel, galvanized iron, aluminium, fibreglass and stainless steel.

## PRODUCT USES

- Primer for Protecta-kote, Rain-kote, Durapond.
- Primer for metal and fibreglass surfaces.
- Coating for Jetmasters and Braai Implements.
- Heat resistant metal coating (up to 220°C).
- A postblast primer on steel work.

## ADVANTAGES

- Excellent adhesion to metal.
- Quick drying (30 mins at 25°C).
- Can be top coated with most paints after 2 hours.
- Economical
- Good acid and alkali resistance.

## COVERAGE

Approximately 8 to 10 m<sup>2</sup>/l depending on surface

## SURFACE PREPARATION

All surfaces must be clean, dry, firm and free of rust and mill scale.

- **Mild Steel:** Abrade the surface with 100 - 360 grit sand paper. If abrasive blasting is desired the blast profile should not exceed 15 microns. Clean with Xylene or thinners. Allow to dry
- **Galvanised Iron:** Clean with a galvanised iron pre-cleaner or with a scouring pad and alkaline detergent until a water break free surface is obtained. Lightly abrade and rinse with clean water. Allow to dry.
- **Aluminium and Stainless steel:** Abrade with 220 grit wet/dry sandpaper using turps or Xylene as lubricant, then rinse with Xylene. Must be painted within 2 hours to prevent re-oxidisation.
- **Fibreglass:** Abrade with 120 to 150 grit sandpaper. Rinse with Xylene.

## APPLICATION

- Stir Metcote well.
- Apply thinly by brush, roller or spray.
- For conventional spray application thin with lacquer thinners (approx 20%) to 16 - 20 secs (Ford Cup 4)
- **NOTE:** Lacquer thinners must not come into contact with Rain-kote, Protecta-kote or Durapond. Allow Metcote to dry completely before overcoating with Protecta-kote, Rain-kote or Durapond.

## OVERCOATING

Allow a minimum of 60 minutes (at 25°C). Metcote must be completely dry before overcoating with any polyurethane coating such as Protecta-kote, Rain-kote or Durapond.

## PRECAUTIONS

- Wet Metcote is toxic and flammable.

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- Once cured it is non toxic, inert and harmless.
- Wear gloves and avoid skin contact.
- Avoid excessive inhalation.
- Keep lacquer thinners away from Protecta-kote, Rain-kote and Durapond.
- Metcote is not water resistant. It must therefore be over coated for all exterior applications paying special attention to the edges.

## **CLEANING**

Use lacquer thinners. If Metcote is splashed in the eye, wash with copious amounts of water and seek medical attention

## **LIMITATIONS:**

When applied to mild steel externally Metcote must be top coated within 14 days to avoid oxidation. Metcote is not water resistant therefore for applications where pooling of water is expected, an alternative waterproof primer for that particular substrate is required.

## **TECHNICAL DATA**

Pack size	500ml, 1l, 5l
No components	one
Colours	Black & Red
Viscosity	40 to 45 secs FC4 at 25°C
Touch dry time	30 mins at 25°C
Recoating time	1 hour at 25°C
Hard dry	2 hours at 25°C
Volume Solids	15%
Recommended WFT	100 microns
Recommended DFT	15 microns
Service Temp	-15°C to 220°C
Application Temp	-5°C to 50°C
Density	0.89g/cm <sup>3</sup>
Flash Point	25°C
Shelf life	2 years
Storage	Cool, dry conditions

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*Technical details above are provided in good faith. We are an ISO 9001 2000 registered company and our products are manufactured to the highest standards using raw materials of superior quality. Consequently we believe in the quality of our products and will willingly replace any product in the unlikely event of a quality related performance failure. Whilst we are confident in guaranteeing the quality of our products, we cannot however accept any liability for performance failure due to the incorrect application of our products. Correct application is critical to the successful performance of our products and as this process falls outside of our control we are unable to cover the application under our product performance warranty. Where there are doubts, it is recommended that user conduct his own suitability tests before use.*

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