

Description

Metcote is a quick drying single pack high adhesion etch primer and heat resistant coating for metal. It can be used on mild steel, galvanized iron, aluminium and stainless steel.

Product Uses

- Primer for Protectakote, Protectakote (UVR) and Safekote
- Primer for metal 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.
- Can be top coated with most paints after 4 hours (at 20°C).
- Economical
- Good acid and alkali resistance.

Coverage

Approximately 8 to 10 m²/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.

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)
- **Warning:** Lacquer thinners must not come into contact with Protectakote or Safekote as they will prevent it from curing. Allow Metcote to dry completely before overcoating with Protectakote.

Over-coating

- Allow a minimum of 4 hours at 20°C (6 hours at 10 °C), ideally it should be left for 4-6 hours before overcoating (see the limitations section below).
- Metcote must be completely dry before overcoating with any polyurethane coating such as Protectakote or Protectakote (UVR).
- In external environments we recommend diluting the first coat of Protectakote by 10% with Xylene to ensure there are no pinholes in the coating, the second coat of Protectakote should be applied at 90° to the first coat to reduce the risk of pinholes occurring.



Product Information

Metcote

Precautions

- Wet Metcote is toxic and flammable.
- Once cured it is non toxic, inert and harmless.
- Wear gloves and avoid skin contact.
- Avoid excessive inhalation.
- Keep lacquer thinners away from Protectakote and Safekote.
- Metcote is not water resistant. It must therefore be over coated for all exterior applications paying special attention to the edges. When over-coating with Protectakote or Safekote apply the two coats at 90° to each other to reduce the risk of pinholes

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. Metcote is not suitable for anodised and some other hardened aluminium alloys. We recommend scratching a small area with a penknife or similar and/or using high adhesion tape before over-coating to ensure good adhesion has been achieved before overcoating.

Technical Data

Pack size	500ml, 1l
No components	one
Colours	Black
Viscosity	40 to 45 secs FC4 at 25°C
Touch dry time	30 mins at 25°C
Recoating time	4 hour at 20°C
Hard dry	4 hours at 20°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 ³
Flash Point	25°C
Shelf life	2 years
Storage	Cool, dry conditions

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.

MANUFACTURED BY : DURAM (PTY) LTD

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