

3M™ Scotchkote™ Urethane Aluminium Primer MCU 125

Updated July 2014
Supersedes June 2013

Data Sheet and Application Guide

Product Description

Scotchkote Urethane Aluminium Primer MCU 125 has been specifically developed as an anti corrosive primer for ferrous metal surfaces.

Product Features

- Combines good application characteristics with fast drying capabilities.
- Designed for use prior to application of Scotchkote™ Urethane Finishes
- Suitable for brush or roller application.
- Also suitable for use on abrasive blast cleaned steel.
- Can be used as a tie coat over existing coatings.

General Application Steps

1. Remove surface contamination, followed by abrasive blasting or mechanical cleaning.
2. Apply Scotchkote Urethane Aluminium Primer MCU 125.
3. Allow to cure.
4. Inspect the coating for defects.
5. Repair all defects.

Properties

| Property | Value |
|---|--|
| Colour | Silver Grey |
| Drying & Cure times at 20°C (68°F) | |
| Touch Dry | 1 hour |
| Hard Dry | 4 hours |
| Minimum Overcoating | 2 hours |
| Maximum Overcoating | 7 days- with itself 16 hrs- with finishes |
| Volume Solids | 55% |
| Specific Gravity | 1.1 |
| V.O.C (As Supplied) | 425g/ltr |
| Film Thickness | 90 microns wet, 50 microns dry |
| Theoretical Coverage Rate | 11 sq metres per litre at 50 microns dft. |

Note:

The actual thickness to be applied should be agreed between the specifier and the manufacturer dependent on operational requirements and may be higher or lower than the quoted typical values. Detailed system recommendations are available on request.

Performance Data

| | |
|---------------------|--|
| Impact Resistance | No failure after 7 days air drying + 2 hours (BS3900 -E7) |
| Adhesion | No detachment along scored lines after 24 hours air drying (Appendix 1 Clause A.5 of Highways Agency Specification BD 35/93) |
| Sulphur Dioxide | No corrosion after 10 cycles (BS3900 - F8) |
| Scratch Resistance | No failure after 24 hours cure (BS3900 - E2) |
| Salt Fog Resistance | No corrosion after 10 days exposure (BS3900 - F4) |



Application Procedures for Scotchkote Urethane Aluminium Primer MCU 125

Surface Preparation

All surfaces should be thoroughly degreased

Steel: Abrasive blast clean to NACE No. 2/SSPC-SP10 near white metal, ISO 8501-1, Sa2½ BS 7079 Part A1 1989/ISO 8501-1: 1988 - with a medium profile - 35 microns average

Aluminium: Either mechanically abrade with 120 grade paper or 3M™ Scotchbrite™ pad. For specific recommendations consult the 3M Northallerton Technical Centre.

Galvanised Steel: New galvanising only requires degreasing. Weathered galvanising should be abraded to remove corrosion deposits. Existing Coatings: Adhesion of the existing coating should be checked, all loose coating should be removed back to a sound edge, firmly adhering coatings should be abraded with 120 grade abrasive paper.

Application Procedures

Provided the prepared surface is dry and free from condensation or ice Scotchkote Urethane Aluminium Primer MCU 125 can be applied at temperatures down to 0°C with no restriction on relative humidity.

However, Scotchkote Urethane Aluminium Primer MCU 125 should not be applied during rain/snow or when precipitation is likely to occur before the coating has achieved a 'touch dry' state.

Scotchkote Urethane Aluminium Primer MCU 125 is designed for application by brush or roller, using good quality brushes or short to medium pile rollers.

All equipment must be cleaned IMMEDIATELY after use with **3M™ Scotchkote™ Thinner PU71**.

Packaging and Storage

Supplied in 5 litre units.

Use within 12 months of date of manufacture. Store in original sealed containers at temperatures between 5°C and 32°C.

ALWAYS PROTECT FROM FROST DURING STORAGE AND USE.)

Handling and Safety Precautions

Read all Health Hazard, Precautionary and First Aid, Material Safety Data Sheet, and/or product label prior to handling or use.

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Ordering Information/Customer Service

For ordering, technical and product information or to request a copy of the Material Safety Data Sheet, call +44 (0)1609 780170 .

For emergencies, please contact +44 (0)1344 858000.

Important Notice

All statements, technical information and recommendations are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using the 3M™ Scotchkote™ Product, you must evaluate it and determine if it is suitable for your intended application. Because conditions of product use are outside of 3M control's and vary widely you assume all risks and liability associated with such use. Any product related statements not contained in current 3M publications, or any contrary statements contained in your purchase order, shall have no force or effect unless expressly agreed to in writing by an authorised officer of 3M.

Warranty; Limited Remedy; Limited Liability.

3M warrants that the 3M™ Scotchkote™ Product will conform to 3M published specifications upon shipment. If the product is proven not to have met the specifications your exclusive remedy within 12 months of sale by 3M of the product and 3M's sole obligation will be, at 3M's option, to replace the Product or to refund the purchase price of the Product. Except where prohibited by law, this warranty is made in lieu of all other warranties, express or implied, including, but not limited to, any implied warranty of suitability or fitness for a particular purpose, or those arising from a course of dealing, custom or usage or trade.

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