

®Product Guide

MCU – Clear™



DESCRIPTION

- Single component, moisture-cure aliphatic urethane
- Chemical resistant gloss topcoat
- Best possible resistance to UV, abrasion and weathering
- High-solids, VOC compliant coating

USES

- Coloured or clear topcoat where maximum gloss and colour retention are required
- Rejuvenating colour coat for chalked or weathered painted surface
- Chemical resistant coating for metalized surfaces, containment ponds and tanks
- Highly abrasion-resistant coating for concrete and wood floors
- Colour coat for Fibreglas and gelcoat surfaces

ADVANTAGES

- Single component – no catalyst mixing errors
- Can be applied in cold, damp conditions – at humidity to 99% with no dew point restrictions if surface is dry
- Can be applied at low temperatures – to below freezing. Avoid frozen surfaces (no ice or frost)
- Best possible resistance to yellowing, chalking or degradation by sunlight, chemical fumes, abrasion, and graffiti removers
- Broadest range of chemical resistance
- Compatible with QuickCure® Accelerator System
- Superior adhesion to most surfaces
- VOC compliant

TECHNICAL DATA

- Volatile Organic Content (VOC):
< 335 g/l
- Solids by Volume: 62.0% ± 2.0
- Weight:
Colours: 1.26 ± 0.12 kg/l
Clear : 1.0 ± 0.05 kg/l
- Pigment Type:
MCU-Clear: Clear
- Theoretical Coverage:
25 µm DFT: 23.9 m²/l
- Flash Point: 25° C
- **Recommended Dry Film Thickness: 25-50µm DFT. (40-75µm WFT) Avoid excessive films. Dry films above 125 µm DFT may show bubbling and require longer cure times. Application by brush, roller or spray (conventional spray equipment recommended)**
- Temperature Resistance (Dry):
138°C continuous
- Curing Time @ 25°C: Touch - 30 min; Handle - 24 hrs; Recoat - 8 hrs. Cure varies with temperature and DFT. Consult MCU Coatings QuickCure® data sheet for accelerated cure times.
- Re-coatability: On clean surface recoat within 30 days. After 30 days do a test patch
- Colour: All colours and Clear
- Finish: Gloss: 65-90°C as required
- Shelf Life: 12 months from date of shipment in unopened original container when stored at average temperature below 25°C. Prolonged storage at higher temperatures can shorten shelf life

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SURFACE PREPARATION

- Carbon Steel: Not recommended direct to metal without an appropriate MCU Coatings primer or intermediate
- Other Metals: Aluminium, brass, bronze, copper, stainless and any other corrosion resistant metals or alloys, the surface must be roughened. Supplement with SP1 Solvent Cleaning if necessary to remove any grease, oils, or any other surface contamination. Always do a test patch
- Plastics: Fibreglas, gel coat, acrylic, and other plastic surfaces should be abraded. Do a test patch
- Existing Coatings: All surfaces must be clean and free of any surface contamination. Pressure wash supplemented with SP1 Solvent Cleaning if necessary. Perform a test patch to check adhesion if re-coatability data is not available. Abrade if necessary
- Concrete: Consult MCU Coatings "Application Instructions for Painting Concrete Surfaces". Blast track all concrete surfaces to remove curing or form release agents have been used. Over existing coatings, perform a test patch. Abrade surface if necessary
- Wood: Do not use MCU-Clear on exterior wood. MCU-Clear is recommended for interior wood surfaces. Pigmented colours can be used directly to wooden surfaces. Clear urethanes are unaffected by UV light; however, light passes through the clear and deteriorates the wood causing delamination

WARRANTY

MCU Coatings warrants its products to be free from defects in materials. MCU Coatings sole obligation and Buyer's exclusive remedy in connection with the products shall be limited at MCU Coatings option to either replacement of products not conforming with this warranty or to credit the Buyer's account the invoiced amount of the non-conforming products. Any claim under this warranty must be made by Buyer to MCU Coatings in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf- life, or six months from the delivery date, whichever is earlier. Buyer's failure to notify MCU Coatings of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

MCU Coatings makes no other warranties concerning the products. No other warranties, whether expressed, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall MCU Coatings be liable for consequential or incidental damages.

Any recommendations or suggestions relating to the use of the products made by MCU Coatings, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so at its sole discretion and risk. Variation in environment, changes in procedures of use or extrapolation of data may cause unsatisfactory results.

APPLICATION

- Consult "MCU Coatings Application Guides" or a Technical Representative for specific system recommendations
- Consult "MCU Coatings Application Instructions"
- Concrete application, not recommended
- Thin only with MCU Coatings MC-Thinner or MCU-Thinner 25. Use MCU-Thinner 25 in brush and roll applications, and for applications in higher temperatures.
- Improper thinners will cause gelation or improper cure!
- Do not apply to wet surfaces or ice
- Excessive films will require longer cure times and may cause poor adhesion, blistering, pin holing, solvent entrapment and may require remedy. Consult your Eurochemie Technical Representative for more information or if films exceed the upper recommended Dry Film Thickness by more than 100%.
- This product can be accelerated with PURQuik® Consult MCU Coatings QuickCure® data sheet for instructions.

SAFETY PRECAUTIONS

This product is for industrial use only

WARNING: Vapour and spray mist are harmful. Consult the Material Safety Data Sheet. Use an approved respirator when applying this product. Consult the MSDS for recommendations. Protect skin and eyes from contact. This product contains organic solvents and polyisocyanates. Do not use if you have a chronic or allergic reaction to isocyanates or organic solvents

LIMIT OF LIABILITY

MCU Coatings liability on any claim of any kind, including claims based upon MCU Coatings negligence or strict liability, for any loss or damage arising out of, connected with or resulting from the use of the products, shall in no case exceed the purchase price allowable for the products or part thereof that give rise to the claim. In no event shall MCU Coatings be liable for consequential or incidental damages. Published Product Data Sheets are subject to change without notice. Contact your MCU Coatings Representative for current Product Data Sheets.

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