

# ®Product Guide

PRODUCT: MC – Aluminium HH™



## Description

Single-component, ambient curing, moisture-cure silicone

Multiple use primer/topcoat

Colour: Aluminium

High-solids, VOC-compliant coating

## Uses

Outstanding heat resistant, corrosion resistant topcoat over MCU Zinc HH

High-performance, one-coat or multiple-coat thin film coating for steel and aluminium in high heat corrosive environments

Excellent weathering and UV resistance

Superior heat resistant primer for coloured Topcoat HH

## Advantages

Single-component - no catalyst mixing errors

Room temperature curing high heat paint

Can be applied in cold, damp conditions - at humidity to 99%

Can be applied at low temperatures

Best impact resistance offered in high heat market

Best thermal shock resistance ever offered

Excellent resistance to ageing, cracking, weathering and UV

VOC compliant

Exceptional all-around performance in harsh environments

Superior adhesion at extreme temperatures

## Technical Data

Solids by volume: 62.0 ± 2.0%

Wt/ltr: 1.14 ± 0.09 kg.

VOC: Less than 335g/l

Pigment Type: Non-leafing aluminium flake

Flash point: Above 104° F // 40° C

Theoretical Coverage at 25 microns: 24 m<sup>2</sup> per liter

Recommended Dry Film Thickness: 25 – 35 microns DFT (40 – 55 microns wet). Avoid excessive films

Temperature Resistance (Dry): 1000° F // 535° C

Recoat-ability: After 72 hours or service ≥ 400°F // 205°C or more, abrade surface before re-coating

Colour: Silver

Finish: Matte

Shelf life: 6 months from date of shipment in unopened original container

### MC Technology

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## Surface Preparation

Atmospheric Service: SA 2 Commercial Blast Cleaning, UHP WJ2 standard

Immersion Service: Not recommended

New Construction: SA 2 Commercial Blast Cleaning

Spot Primer: Pressure wash at 1000 bar minimum. Supplement with Solvent Cleaning as necessary.  
Hand and Power Tool clean ST 2 and ST 3 on areas of corrosion.

Existing Coating: Not recommended

**Note:** This product and most MCU Coatings are designed to adhere to tightly adhered rust; however, test patches should be made when good surface preparation is not possible

## Application

Consult "MCU Coatings Application Guides" or a technical Representative for specific system recommendations

Consult "MCU Coatings Application Instructions" and "Steel Structure Painting Council SSPC PA1 - Good Painting Practices"

Minimum recoat time @ 75°F// 24°C and 50% relative humidity: 4 hours

Thin only with MCU Coatings MCU-Thinner, MC-Thinner 25. Use MCU-Thinner 25 in brush and roll applications. Improper thinners will cause gelling or improper cure!

Do not apply to wet surfaces or ice

Excessive film will require longer cure times and may cause poor adhesion, blistering, pin-holing, solvent entrapment and may require remedy. Consult MCU Coatings technical representative for more information or if films exceed 100% of upper recommended Dry Film Thickness (DFT). Films in excess of 50 microns DFT may show pinhole bubbles.

As a stand alone on bare steel apply 2 coats at recommended DFT

## Safety Precautions

This product is for industrial use only.

**WARNING:** Vapour and spray mist is harmful. Consult the Material Safety Data Sheet. Use an approved respirator in confined areas when brushing or rolling. Use a positive pressure air flow hood when exposed to spray mist or over spray. Protect skin and eyes from contact. This product contains organic solvents and silicones. Do not use if you have a chronic or allergic reaction to silicones or organic solvents.

MCU Coatings warrants its products to be free from defects in material and workmanship. 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 to this Warranty or credit to Buyer's account in 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 of fitness for a particular purpose, shall apply. In no event shall MCU Coatings be liable for consequential or incidental damages.

Any recommendation or suggestion 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.

## Warranty

**LIMIT OF LIABILITY** - MCU Coatings' liability on any claim of any kind, including claims based upon MCU Coatings' negligence or strict liability, for 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 to the products or part thereof which give rise to the claim. In no event shall MCU Coatings be liable for consequential or incidental damages.

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