

®Product Guide

PRODUCT: MCU ZINC HH™



Description

Single-component, Zinc filled, ambient curing, moisture-cure silicone

High heat primer

Color: Gray

High-solids, VOC-compliant coating

Uses

Outstanding heat and corrosion resistance when top coated with MCU Aluminium HH

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

Excellent weathering and UV resistance

Superior heat resistant primer for MCU Aluminium or coloured Topcoat HH

Advantages

Single-component - no catalyst mixing errors

Room temperature curing high heat paint

Can be applied at low temperatures

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

Best impact resistance offered in high heat market

Best thermal shock resistance ever offered

Excellent resistance to aging, cracking, weathering, and UV

Superior adhesion at extreme temperatures

VOC compliant

Exceptional all-around performance in harsh environments

Technical Data

Solids by volume: $62.0 \pm 2.0\%$

Wt/ltr: 2.4 ± 0.06 kg

VOC: Less than 335g/l

Pigment Type: Zinc dust

Flash point: Above 104° F // 40 ° C

Theoretical coverage: 24 m² per liter @ 25 microns

Recommended DFT: 35 – 50 microns (65 – 85 microns wet). Avoid excessive films

Temperature Resistance (Dry): 770°F // 410°C continuous, 1200°F // 648°C when over-coated

MCU Aluminium HH

Curing Time @ 75°F and 50% relative humidity: Touch - 30 min, Handle - 18 hr, Recoat - 4 hrs, Stack - 23 hrs

Recoat-ability: After experiencing 400°F // 205°C service, abrade before recoating

Color: Gray

Finish: Matte

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

Surface Preparation

Atmospheric Service: SA 2 Commercial Blast Cleaning

Immersion Service: Not recommended

New Construction: SA 2 Commercial Blast Cleaning

Spot Primer: Pressure wash at 1000 bar minimum. Supplement with SSPC-SP1 Solvent Cleaning if necessary.
Hand and Power Tool Clean to ST 2 and ST 3 on areas of corrosion.

Existing Coatings: Not recommended

Weathered Galvanized: Pressure wash at 500 bar minimum. Supplement with SSPC-SP1 Solvent Cleaning if necessary.

Note: This product is designed to adhere to tightly adherent 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: 4 hours @ 75°F // 24°C and 50 % relative humidity. No outer recoat window until the coating has experienced service of over 400°F // 205°C After such time, the surface must be abraded.

Thin only with MCU Coatings MCU-Thinner™ or MCU-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) or 100 microns DFT. Films in excess of 75 microns DFT may show pinholes or bubbles.

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

Safety Precautions

This product is for industrial use only.

WARNING: Vapor and spray mist are 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.

Warranty

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 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.

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