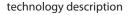
mcu/topcoat HT



single component moisture cure urethane coating. Application on hot surfaces up to 150°C always add MCU-QuickCure minimum 9%

technology features

applies in 6% to 99% humidity applies to damp substrates maximal surface application temperature 150°C no induction time superior adhesion to various substrates no recoat time limit no short or long term cracking high chemical resistance high resistance to blistering excellent abrasion resistance compatible with most conventional coatings suitable for maintenance and new construction

product description

mcu-topcoat HSA is an aliphatic coloured topcoating available in custom colours. mcu-topcoat HSA has excellent uv-, colour-, weathering-, and abrasion resistance.

area of use

substrates concrete ferro +non-ferro metalized galvanised aluminium stainless steel surfaces previously existing coating GRP possible uses refineries pipes chemical processing facilities

clean up: mcu-thinner, mcu-thinner 25

ready reference information

resin type:	aliphatic urethane	recommended film thickness		
pigment type:	coloring	wet:	3.2 - 6.4 mils (81 - 163 microns)-not thinned	ł
sheen:	semi-gloss	dry:	2.0 - 4.0 mils (51 - 102 microns)	
colours*:	ral and various colors	,		
volume solids:	$62.0\% \pm 2.0$	recomi	mended coverage per coat:	
VOC:	<2.8 lb/gal (340 g/l)	249 ft2	/gal at 4.0 mils dft - 497 ft2/gal at 2.0 mils dft	
(volatile organic content)		(6.1 m2/l at 102 microns dft - 12.2 m2/l at 51 microns		
theoretical coverage:	@1 mil dft: 994 ft2/gal	dft)		
-	(@ 25 µm dft: 24.4 m2/l)	thinnir	ng: mcu-thinner, mcu-thinner 25	

drying times and temperatures

176°F / 80°C	
tack free and	30 min
recoat minimum	
full cure	5 days

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surface preparation

Ferrous Metal

Apply to clean, dry, MCU's recommended primers. Refer to the primer Product Data for additional information.

Aluminum/Galvanized/Non-Ferrous Metals

Prepare surfaces using SSPC-SP1 Solvent Cleaning and SSPC-SP12/ NACE No. 5 Low Pressure Water Cleaning methods to remove surface contamination. Supplement weathered galvanized surface preparation with ISO 8501-1 St 2 (SSPC-SP 2 and 3) hand and power tool cleaning to remove excessive corrosion and impart surface profile on bare metal. Spot prime clean bare metal with MCU's recommended primer. Supplement new galvanized surface cleaning with mechanical abrasion to impart surface profile and support mechanical adhesion.

Concrete/Concrete Block

The surface must be dry, free of surface contaminants, and in sound condition. Grease, and oil should be removed by ASTM D4258-83 (Reapproved 1999) and release agents should be removed by ASTM D4259 - 88 (Reapproved 1999). Refer to SSPC-SP13/NACE No 6 mechanical or chemical surface preparation methods for preparing concrete to suitable cleanliness for intended service. Surface preparation methods should impart sufficient surface profile for mechanical adhesion to occur. Ensure surface is thoroughly rinsed and dry prior to coating application. Allow a minimum 7 - 14 days cure time for new concrete prior to preparation and application.

Previously Existing Coatings

Prepare surfaces using SSPC-SP12/NACE No. 5 Low Pressure Water Cleaning methods to remove surface contamination. Supplement SSPC-SP 12 LPWC with SSPC-SP1 Solvent Cleaning and ISO 8501 St 2 (SSPC-SP2 and 3) Hand and Power Tool clean areas of corrosion and loose or flaking paint (feather edges of sound, existing paint back to a firm edge). OR prepare surfaces using SSPC-SP 12/Nace 5.0 High or Ultra High Pressure waterjetting to WJ 4. Spot prime clean, bare metal with MCU's recommended primer. Sand glossy surfaces to provide profile. Apply a test sample to a small area to determine coating compatibility.

Good Practices

MCU-Topcoat HSA is designed for application to a variety of substrates and tightly adhering, previously existing coatings. Apply a test sample to a small area to determine coating compatibility. Spot prime any areas cleaned to bare metal with a MCU's recommended primer.

The surface to be coated must be dry, clean, dull, and free from dirt, grease, oil, rust, mill scale, salts or any other surface contaminants that interfere with adhesion.

Ensure welds, repair areas, joints, and surface defects exposed by surface preparation are properly cleaned and treated prior to coating application.

Consult the referenced standards, SSPC-PA1 and your MCU-Coatings Representative for additional information or recommendations.

application information

MCU-Topcoat HSA can be applied by airless spray and conventional spray methods (one grade only). Follow proper mixing instructions before applying.

Material temperature maximal 150°C

Airless Spray Pump Ratio: Pressure: Hose:

Tip Size:

Filter Size:

Reduction:

28-40:1 2400-2800 psi (170-200 Bar) 1/4" to 3/8" .013-.021 60 mesh (250 μm) Typically not required. If necessary, reduce with MCU-Thinner, MCU-Thinner 25.

Conventional Spray

E Fluid Tip
704 or 765
45-75 lbs.
15-20 lbs.
½″ ID; 50' Max
Typically not required. If necessary,
reduce with MCU-Thinner, MCU-Thinner 25.

Reducer

MCU-Thinner, MCU-Thinner 25. Reduction is typically not required. If necessary, thin up to 10% with recommended thinner. Thin in accordance with local and federal regulatory standards.

Clean up

MCU-Thinner, MCU-Thinner 25. If MCU-Coatings thinners are not available, use MEK, MIBK, Xylene, a 50:50 blend of Xylene and MEK or MIBK, or acetone for clean up only. Do not add unauthorized solvents to a MCU-Coatings coating.

Application Conditions

Temperature: 10°-122° F (-12°-50° C)

This temperature range should be achieved for ambient, surface and material temperature. Substrate must be visibly dry. MCU-Thinner 100 is recommended for spray application in temperatures above 90°F.

Relative Humidity: 6%-99%

Coating Accelerator: QuickCure Accelerator. See MCU-Coatings's QuickCure Accelerator Product Data for information.

Storage

Store off the ground in a dry, protected area in temperature between 40-100°F (4-38°C). MCU containers must be kept sealed when not in use. Use a solvent float to reseal partial containers.

www.metaltec.eu www.mcucoatings.com

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ordering information	
erdening internation	
package size:	5 and 15 liter pails
shelf life:	12 months from date of shipment when stored unopened at 75°F (24° C)
— shipping information —	
Flash point: weight/gallon:	80°F (26.6°C) 11.5 ± 1.0 lbs (1.38 ± .12 kg/l)
DOT HAZARD CLASS DOT PACKAGING GROUP DOT LABEL DOT SHIPPING NAME DOT PLACARD UN/NA NUMBER	3 III FLAMMABLE LIQUID PAINT FLAMMABLE LIQUID 1263
— safety precautions ——	
This product is for industrial us	se only

WARNING: Vapour and spray mist is 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.

warranty

MCU-Coatings warrants its products to be free from defects in materials. MCU-Coatings's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited at MCU-Coatings's 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 tness 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.

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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.