

M-CORR 200 – SURFACE TOLERANT SOLVENT PRIMER & COATING

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M-CORR 200 Surface Tolerant Solvent Primer and Coating is a solvent-based material with a high solids content.

Designed to provide long term corrosion protection to the externals of new and existing steel structures even when surface preparation is restricted. The material is highly resistant to marine and industrial environments, buried conditions, effluents, salt water, most chemicals, and a wide range of oils.

Typical Uses

- External pipe protection
- Internal pipelining
- The lining of fuel storage tanks
- The lining of chemical storage tanks
- External protection for pumps, valves, and process equipment

Please contact us to discuss your project before purchasing this material to confirm suitability.

Application Guide

Surface Preparation - Metal - Grit Blast

- All oil and grease must be removed from the surface using an appropriate cleaner such as MEK or similar type solvent.
- All surfaces must be abrasive blasted to **ISO 8501/4 Standard SA2.5 (SSPC SP10/ NACE 2)** minimum blast profile of 75 microns using an angular.
- Once blast cleaned the surface must be degreased and cleaned using MEK or similar type solvent.
- All surfaces must be coated before gingering or oxidation.

Surface Preparation - Metal - Hydro-Blast

- All surfaces must be hydro-blasted using clean water at 12,000 psi (850bar) to NACE 5 (SSPC SP13 WJ3-WJ1).
- All surfaces must be coated before gingering or oxidation occurs

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Surface Preparation - Metal -Manual

- All oil and grease must be removed from the surface using an appropriate cleaner such as MEK.
- All surfaces must be mechanically abraded using handheld grinders to ISO 8501/4 ST3 (SSPC SP3 ST3).
- Once abraded, the surface must be degreased and cleaned using MEK or similar type material.
- All surfaces must be repaired before gingering or oxidation occurs.

Surface Preparation - Soluble Salts

PLEASE NOTE: Soluble salt contaminated surfaces the substrate must be pressure washed with clean water and checked for salt contamination this process may need to be repeated several times.

Surface Preparation - Concrete Existing Concrete

- If the concrete surface is contaminated, pressure wash using clean water.
- Once the concrete is dry lightly abrasive blast or scarify taking care not to expose the aggregate.
- Clean all dust and debris from the surface.

Environmental Checks

Prior to mixing, please ensure the following:

- Do not apply the material when the ambient or substrate temperature is below 10°C or when the relative humidity is higher than 90%.

Mixing

- Using a low-speed electric paddle mixer, mix the 2 components until a uniform material free of any streaks is achieved.
- Once mixing is complete use the mixed paste as soon possible.
- Use all mixed material within 15-20 minutes at 20°C.

Product Application

Brush & Roller

- Mix and apply the material directly to the prepared surface, using a brush, roller (or airless spray).
- stripe coat all edges, joints, corners and equipment with the mixed material.

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- Check the wet film thickness on a regular basis ensuring correct coating thickness of a minimum 150 microns. APG-REV2- 2022
- Once the basecoat has cured sufficiently, approximately 6 hours at 20°C, apply a topcoat at a minimum wet film thickness of 150 microns.

Technical Information

Appearance	Base: Activator: Mixed:	Thin film liquid Amber liquid Grey solvent based liquid
Mixing Ratio	By weight: By volume:	4.5:1 4:1
Solids Content		85%
Sag Resistance	Nil at	150 microns
Usable Life	10°C 20°C 30°C	4 hours 2 hours 60 minutes
		60 minutes 30 minutes 15 minutes
Coverage	Can be applied in a single coat or as a 2 coat system to properly prepared surfaces. The material should be applied at a target thickness of 150 microns per coat with a theoretical coverage rate of 6.66m ² per ltr per coat.	6.66m ² per ltr per coat

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Cure Times	20°C 30°C 40°C	6 hours 3 hours 90 minutes
Storage Life	Unopened and stored in dry conditions (15-30°C)	5 years
Tensile Shear	ASTM D1002 on abrasive blasted mild steel with 75-micron profile ASTM 412	195kg/ cm ² (2770 psi)
Corrosion Resistance	Tested to ASTM B117	5000 hours excellent
Salt Fog Resistance Tested to ASTM B117 Unaffected after 10,000 hrs	Tested to ASTM B117	Unaffected after 10,000 hrs
Humidity Resistance	Tested to BS3900 Part F2	Unaffected after 5000 hours
Hardness	Shore D to ASTM D2240	80
Heat Resistance	Suitable for use in immersed conditions at temperatures up to 40°C. Resistant to dry heat	40°C 120°C

Chemical Resistance Guide

Brine	40°C
Crude Oil	40°C
Diesel	40°C
Hydrochloric Acid 10%	40°C
Naphtha	40°C

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Phosphoric Acid 25%

40 ° C

Sodium Hydroxide 35%

40 ° C

Sulphuric acid 20%

40 ° C

Legal Notice

The data contained within this Technical Data Sheet is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control.

It is the responsibility of the customer to determine the products suitability for use.

Maxkote accepts no liability arising out of the use of this information or the product described herein.

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