

MAXCOR 400 – UV STABLE POLYURETHANE COATING

Description

MAXCOR 400 – UV STABLE POLYURETHANE COATING is a solvent based, two pack coating. After cure, the material provides a high gloss and durable finish.

Typically used in conjunction with, epoxy coating systems as a colour stable top-coat. It allows quick turnaround due to its rapid film hardening properties and offers excellent chemical and solvent resistance.

The material has good anti-corrosion properties and is designed for the long-term protection of steel and concrete structures against weathering and environmental corrosion

Applications

- External pipe protection
- Storage tank protection
- External pumps, valves protection
- Structural steel work

Surface Preparation Steel

For surfaces that have already been coated the material can be applied directly to the surface providing over-coat window for the intermediate coating has not been exceeded.

All oil and grease must be removed from the surface of the repair using an appropriate cleaner such as MEK or similar solvent.

For optimum performance, the surface should be grit-blasted to **ISO 8501/4 Standard SA2.5 (SSPC SP10/ NACE 2)** and a minimum blast profile of 75 microns using an angular abrasive.

Once blast cleaned, the surface must be degreased and cleaned using MEK or similar solvent. All surfaces must be repaired before gingering or oxidation occurs

Where abrasive blast cleaning is not possible (excluding salt contaminated surfaces) the surface should be roughened by, needle gun or grinding.

Under these conditions' adhesion levels will not be optimal although still satisfactory for most applications.

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Mixing

Warm the Base component to 15-25°C before mixing and do not apply when the ambient or substrate temperature is below 5°C or less than 3°C above dew point.

Mix both **PART-A** and **PART-B** together in full units as supplied.

For small batch mixing use a ratio of: **4:1 by volume or 4:5 by weight**

When mixing both materials, it is very important to have a uniform fluid that is streak free. Once mixing is complete, use the mixed paste as soon possible after mixing.

Application

MAXCHEM 400 – UV STABLE POLYURETHANE COATING In most applications can be applied in a single coat, for dark surfaces two coats may be required.

Basecoat

Apply the mixed material onto the prepared surface by brush or roller. This should be in two coats at a target thickness of 150 microns per coat using a practical coverage rate of 5.0 sq metres per litre per coat.

Topcoat

Apply the second coat at a target thickness of 150 microns as soon as possible after the first coat is dry and not in excess of 24 hours. Use a practical coverage rate of 5.0 sqm per litre per coat.

Pot Life

30 minutes at 20°C

Coverage

1 ltr of mixed material will provide a theoretical coverage rate of 6.6sqm

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Cure Times

At 20°C the applied materials should be allowed to harden for the times indicated below before being subjected to the conditions indicated. These times will be extended at lower temperatures and reduced at higher temperatures:

Movement without load or immersion	1.5 hours
Light loading	8 hours
Full loading	36 hours
Immersion	7 days

Over-Coat Times

Minimum – the applied material can be over-coated as soon as it is touch dry.

Maximum – over-coating time **36 hours**

Where the maximum over-coating time is exceeded, the material should be allowed to harden before being abraded, or flash-blasted and solvent washed to remove any surface contamination

Health and Safety

Please ensure good practice is always observed during the mixing and application of this product.

Protective gloves must be worn during the mixing and application of this product. Before mixing and applying the material please ensure you have read the fully detailed Material Safety Data Sheet.

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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