

MAX-CHEM 300 CHEMICAL RESISTANT EPOXY NOVOLAC COATING

Description	MAXCHEM 300 is a chemical resistant epoxy novolac coating and lining system. Designed for the long-term chemical protection of steel and concrete substrates. Once cured the material is capable of withstanding temperatures up to 60°C continuous immersion, dependent on chemical contact
Applications	Chemical Pumps, Impellers, Casings & Cutwaters Vessel lining Chemical Storage Tank Lining Bunds & Containments Areas Chemical Channels and Drains
Surface Preparation Steel	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
Surface Preparation Salts	For salt contaminated surfaces the area must be grit-blast cleaned as mentioned above and left for 24 hours to allow any ingrained salts to come to the surface. After this 24-hour period the surface must be washed with MEK prior to brush blasting to remove the surface salts. This process must be repeated until all ingrained contaminants have been sweated out of the surface.
Surface Preparation Concrete	Remove any contamination and lightly abrasive blast or scarify taking care not to expose the aggregate. Allow new concrete to cure for a minimum 21 days and remove any surface laitance before coating. Ensure the moisture content of the concrete is below 8% for MAXPRIME 100 or less than 25% for MAXPRIME 200. Suitable for applications where the surface temperature is 5°C or above

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**Priming
Concrete**

Using **MAXPRIME 100** or **MAXPRIME 200** - Mix the base component (amber liquid) with the activator component (amber- liquid) in full units as supplied, ideally, use slow speed paddle mixer. When mixing both materials, it is essential to have a uniform streak free fluid.

Once mixed, the material should be used within 40-45 minutes at 20°C.

Please see relevant application guide for each primer

**M-CHEM 300
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 the base component (red or grey) with the activator component (amber) in full units as supplied.

For small quantities us a mixing ratio of:

3:1 BY VOLUME OR 5:1 BY WEIGHT

When mixing both materials, it is very important to have a uniform streak free fluid. Once mixing is complete, the material should be used within 25-30 minutes at 20°C. To ensure best results use the mixed fluid as soon possible after mixing.

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Application M-CHEM 300 Base & Top Coat	Apply the mixed material directly to the prepared surface, using a brush, roller or heated airless spray. Check the wet film thickness on a regular basis ensuring correct wet film thickness of a minimum 250 microns is achieved. Application of the top-coat should be as soon as possible, once the base-coat is touch dry and must not exceed maximum over-coat time of 6 hours.
Coverage	1 litre of mixed product will cover 4 sq metres at a nominal film thickness of 250 microns per coat.
Pot Life	25-30 minutes
Over-Coat Times	Minimum – the applied material can be over-coated as soon as it is touch dry. Maximum – over-coating time 6 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 observed at all times 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.

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Legal Disclaimer

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.