

MAXLINE 100 – POTABLE WATER COATING

Description **MAXLINE 100** - is a high build solvent free urethane anticorrosive coating designed for the efficient long-term protection of pipelines, pipe fittings and equipment. Max-line 100 also meets the requirements of BS6920:1990 as required by the Water Research Centre.

- Applications**
- Pipelines
 - Potable Water Tanks
 - Effluent Systems
 - Pumps & Valves

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

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.

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 before application of **MAXLINE 100**. Allow new concrete to cure for a minimum of 21 days and likewise treat to remove any surface laitance before coating.

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Surface Priming Concrete

For optimum results on damp concrete, prime the concrete with **Max-Prime 200**. Where the concrete is dry but highly porous, it is recommended to condition with **Max-Prime 100**.

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 the dew point

Transfer the contents of the Activator container into the Base unit mixing thoroughly to ensure that the material is homogeneous and free of any streaks.

From the commencement of mixing all the material should be used within **15-20 minutes at 20°C**.

Where more time is required, the material should be cooled before mixing and during use or smaller volume mixes used.

Application Brush or Roller

Apply the mixed material directly to the prepared surface, using a short-bristled brush or roller. Check the wet film thickness on a regular basis ensuring correct coating thickness of a minimum 300 - 500 microns.

Pot Life

15 - 20 minutes at 20°C

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	2 hours
Light loading	4 hours
Full loading	3 days
Immersion	7 days

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Coverage

1ltr of fully mixed product will give the following coverage rate – 2m² at 500 microns

Please note that the coverage rates quoted are theoretical and do not take into consideration the profile or condition of the surface being repaired.

Over-Coat Times

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

Maximum – over-coating time **24 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.