

M-PRIME 100 – EPOXY CONCRETE PRIMER SEALER

M-PRIME 100 – Epoxy Concrete Primer Sealer

M-PRIME 100 -Epoxy concrete primer sealer, is a solvent-free, clear epoxy primer, which provides outstanding penetration into concrete and other cementitious substrates and helps to consolidate weak surfaces.

Ideally used in conjunction with other MaxKote lining or coating systems

Once mixed the product is used for priming concrete floors, bunds, and concrete structures with a moisture content below 8%.

Typical Uses

- Concrete structures
- Concrete storage tanks
- Bunds and containment areas
- Floor areas

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

Application Guide

Surface Preparation - Concrete Existing Concrete

- Remove any contamination and lightly abrasive blast or scarify taking care not to expose the aggregate.

New Concrete

- 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 8% or below.
- Suitable for application where the surface temperature is 5°C (40°F) or above

Environmental Checks

Prior to mixing, please ensure the following:

- The base component is at a temperature between 15-25°C.
- Do not apply the material when the ambient or substrate temperature is below 5°C.

A: Tower Court, YO30
4XL



T: 01904 809 773



E:
info@maxkote.co.uk



W:
www.maxkote.co.uk

Mixing

APG-REV2- 2022

- Mix the base component (amber liquid) with the activator component (amber liquid) in full units as supplied, ideally use slow speed paddle mixer.
- For small quantities use a mixing ratio of 2:1 by volume or 2.25:1 by weight.
- When mixing both materials, it is essential to have a uniform clear fluid that is streak free.
- Once mixed, the material should be used within 40-45 minutes at 20°C.

- To ensure best results use the mixed fluid as soon possible after mixing.

Product Application

Brush & Roller

- Pour the mixed material into a paint kettle or paint tray (this will maximise the usable life).
- Using a 50mm (2") wide synthetic brush, stripe coat all edges, joints, corners, and equipment with the mixed material.
- The stripe coat must be approximately 100mm (4") wide, at 150 microns (6mil) wet film thickness.
- Once the stripe coat has cured sufficiently and is capable of being overcoated, apply the mixed product to all surfaces at 150 microns (6mil) wet film thickness.

Technical Information

Appearance	Base Activator Mixed	Low viscosity pale straw liquid Amber liquid Low viscosity pale straw liquid
Mixing Ratio	By Weight By Volume	2.24:1 2:1
Density	Base Activator Mixed	1.12 1.00 1.08
Solids Content		100%
Sag Resistance	Nil at	150 microns
Usable Life	10°C 20°C 30°C	50 minutes 25 minutes 12.5 minutes

A: Tower Court, YO30 4XL



T: 01904 809 773



E: info@maxkote.co.uk



W: www.maxkote.co.uk

Coverage	At 150 microns the theoretical coverage rate is	6.66m ² per ltr
Cure Times at 20°C	Minimum overcoating time Maximum overcoating time	3 hours 36 hours
Storage Life	Unopened and stored in dry conditions (15-30°C)	5 years
Pull off adhesion	Elcometer pull off adhesion tester	Dry 525psi 37kg/cm ² (cohesive in substrate) Wet 475psi 33.4 kg/cm ² (cohesive in substrate)
Compressive Strength	Tested to ASTM D 695	629kg/cm ² (8945psi)
Flexural Strength	Tested to ASTM D790	371kg/cm ² (5275psi)
Hardness	Shore D to ASTM D2240	84
Heat Resistance	Suitable for use in immersed conditions at temperatures up to: Suitable for use in dry conditions at temperatures up to dependant on load:	

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.

A: Tower Court, YO30
4XL



T: 01904 809 773



E:
info@maxkote.co.uk



W:
www.maxkote.co.uk

A: Tower Court, YO30
4XL



T: 01904 809 773



E:
info@maxkote.co.uk



W:
www.maxkote.co.uk