

MAXCRETE 300AR – ACID RESISTANT CONCRETE REPAIR MORTAR

Description	<p>MAXCRETE 300AR – ACID RESISTANT EOPXY SCREED is formulated using the highly chemical resistant epoxy Novolac resin system. The material solvent free and has been designed to be rebuild and protect concrete surfaces in high traffic areas where concentrated acids and industrial chemicals are present.</p> <p>The product is should be to new or old concrete and should be applied at a minimum thickness of 5mm with no up limit.</p> <p>Once cured the product will resist</p> <ul style="list-style-type: none"> • 98% Sulphuric acid • 36% Hydrochloric acid • Phosphoric acid.
--------------------	--

Applications	<ul style="list-style-type: none"> • Lining for bunds & containment areas • Re-lining chemical drains & channels • Chemical drop-down areas • Chemical production floor areas • Pump & Tank plinths
---------------------	--

Surface Preparation Concrete	<p>Remove any contamination and lightly abrasive blast or scarify taking care not to expose the aggregate.</p> <p>Allow new concrete to cure for a minimum 21 days and remove any surface laitance before coating.</p> <p>Suitable for applications where the surface temperature is 5°C or above</p> <p>Power floated concrete – use a vacuum assisted shot blaster or floor grinder to remove weak laitance and provide a surface key for the coating.</p> <p>Loose paint or rust – remove using a vacuum assisted shot blaster or floor grinder or equivalent method.</p> <p>Loose or friable concrete – use a vacuum assisted shot blaster or floor grinder.</p> <p>Oil or grease – use hot compressed air for large areas of contamination.</p> <p>Smaller, isolated deposits may be chemically cleaned with a standard degreaser product.</p>
-------------------------------------	---

MAXCRETE 300AR – ACID RESISTANT CONCRETE REPAIR MORTAR

**Priming
Concrete**

Ensure the moisture content of the concrete is below 8% for **MAXPRIME 100** or less than 25% for **MAXPRIME 200**.

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

Mixing

MAXCRETE 300AR consists of 1 x 4ltr Resin and Activator, 1 x 20ltr pail containing 24kg of grey aggregate

Pour the Screed Activator (small tin) into Screed Base container and mix using an electric paddle.

Ensure all of the material is thoroughly mixed and streak free. Once mixed, pour the contents of the container into a dual action mixer.

Add half of the 24kg pail of aggregate and begin to mix. Once the resin and aggregate have mixed and the remaining contents of the 20ltr pail containing the aggregate.

Please ensure you pay attention to the bottom and sides of the mixer and ensure all of the contents are mixed properly.

WARNING: In colder climates or when the product is being applied to concrete surfaces lower than 12°C, add 75% of the aggregate and check the consistency of the mix. Colder temperatures will thicken the resin and therefore less aggregate is required to create a trowel applied product.

Just add part of the remaining 25% of aggregate to create the correct level of consistency.

Application

Once you have the correct consistency pour empty the contents of the mixer into 20ltr pails and pour the mixed product onto the floor.

Spread the screed with a trowel or rubber squeegee and then smooth off to the required thickness.

MAXCRETE 300AR – ACID RESISTANT CONCRETE REPAIR MORTAR

Once the repair area has been filled with material spray clean water onto the face of the float and skim the surface with light pressure. This will give **MAXCRETE 300AR** a smooth finish

Coverage

The practical coverage rate for a 30kg unit of **MAXCRETE 300AR** is as follows:

5mm 2.7 sqm
10mm 1.35 sqm
20mm 0.675 sqm
30mm 0.45 sqm

**Pot Life @
20°C**

20 - 25 minutes

**Cure &
Over-Coat
Times at 20°C**

The applied material should be allowed to harden for the times indicated below before being subjected to the conditions indicated:

- Usable life: 20 - 25 minutes
- Hard Dry: 4 - 6 hours
- Light loading: 12 hours
- Full loading: 4 days

Minimum – over – coating time **4 hours**

Maximum – over-coating time **12 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.

MAXCRETE 300AR – ACID RESISTANT CONCRETE REPAIR MORTAR

**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.