



The Chemical Company

MASTERSEAL® 300 B

Anti - Corrosion Coating

Description of Product

MASTERSEAL® 300 B is cement based one component, polymer modified, anti - corrosion coating.

Fields of Application

- Corrosion protection of the reinforcement.

Features and Benefits

- Mixed with only water and can be applied easily.
- Perfect bonding to the concrete and steel.
- Resists to chloride and water.
- Resistant to de-icer salts.
- Protects the reinforcement against humid.
- Solvent free.

Application Procedure

Preparation of Substrate

Concrete Surfaces

All loose traces of concrete or mortar, dust, grease, oil etc. must be removed and the surfaces should be roughed. The concrete surfaces should be strong and damped before application.

Steel Surfaces

Any of paint, oil, concrete traces and rust of the steel should be cleaned with sand blasting or wire brushes. If exists, water leakages should be drained or plugged.

Mixing

Add enough water into a clean mixing bucket by using a proper water gauge. Add the powder into the bucket slowly and continuously. Mix the fresh mortar with a proper electrical mixer (300-600 rpm) for 4 minutes until having a homogenous consistency. Let the mortar have rest for 4 minutes and re-mix for 30 seconds.


Mixing Ratios

| MASTERSEAL® 300 B | 1 kg powder | 5 kg bag |
|-------------------|------------------|--------------|
| Water Quantity | < 0,30 liter | < 1,50 liter |
| Mixed Density | ~1,84 kg / liter | |

Application Method

Apply the mortar to the full circumference of the prepared reinforcement using a soft paint brush. A film thickness of approx. 2mm should be build up in two coats, allowing 3 - 4 hours to harden between coats at 23°C and longer at cooler

Technical Data

| | | |
|-------------------------|---|--|
| Product Chemistry | Mineral fillers, corrosion inhibitors and polymer modified cement | FM  |
| Colour | Grey | |
| Application Temperature | +5°C - +30°C | |
| Pot Life (20°C) | 90 minutes | |
| Fully Cured at 20°C | 28 days | |



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temperatures. Allow **MASTERSEAL® 300B** to cure for 30 minutes before applying the repair mortar.

Coverage

1.42 kg/liter

Watchpoints

- **MASTERSEAL® 300B** should be applied in 90 minutes in 23°C.
- Cement based materials' pot life and curing times vary depending on the relative humidity, substrate and environment temperature. Reaction gets slow in low temperatures and it causes to extension on pot life and working time. On the other hand high temperatures speed up the reaction, which results to short pot life and working time. For full curing of material, both the substrate and environment temperature shouldn't be under allowed application temperature.

Cleaning of Tools

After the application all tools should be cleaned with water. **MASTERSEAL® 300B** can be cleaned with only mechanical abrasion after hardening.

Packaging

5 kg pail.

Storage

Store in original container in cool (+5°C - +25°C) and dry indoor conditions.

Shelf Life

12 months under proper storage conditions after production date.

Health and Safety Precautions

It is dangerous to get close to the store areas with fire. The store must be well ventilated. Work clothes, protective gloves, glasses and mask defined in Labour Laws must be used during the application. Avoid from material to contact with skin and eyes. In case of contacting wash your skin with water and go to doctor immediately

Don't bring any food and drink to the application area. Store the material away from the children. For further information Material Safety Data Sheets should be read.

Disclaimer

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