

MASTEREMACO N 900 (EMACO 90)**Reprofiling Mortar for Concrete Structures.****Description of the Product:**

MASTEREMACO N 900 is cement based one component, polymer and fibre modified repair mortar for finishing the concrete surfaces.

Fields of Application:

- Repair and finishing the concrete surfaces,
- Providing sound and waterproof layer on concrete surfaces under epoxy and PU coatings in industrial plants.
- Providing sound layer on concrete surfaces under waterproofing systems.
- Repair of the defects on the concrete surfaces before coating (tile etc.) applications,
- Providing smooth and waterproof layer under paintings,
- Providing smooth layers over structural repair mortars.

Features and Benefits

- Mixed with only water and can be applied easily.
- Perfect bonding to the concrete substrates.
- Can be applied in wide areas without cracking.
- Thixotropic and can be used in over-head applications.
- Waterproof.
- Resistant to freeze-thaw cycle.
- Shrinkage compensated.

Application Procedure**Preparation of Substrate**

The concrete surfaces must be sound, clean and dry. It shouldn't be weakened by over-troweling

and lack of curing. The concrete should be free of frost, curing membranes, waterproofing treatments, oil stains, laitance, friable material and dust. If there is a water leakage it must be drained or properly plugged. Defects up to 4 cm depth should be repaired with **MASTEREMACO S 488** before starting to **MASTEREMACO N 900**, applications. Concrete surfaces must be saturated with water before application.

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 Ratio

MASTEREMACO N 900	1 kg powder	25 kg bag
Quantity	0.19 litre	4.75 litre
Mixed density	2.05 kg/litre	

Application Method

MASTEREMACO N 900 should be applied to the prepared surface by using a steel trowel. Application thickness should be between 1-5mm. After the mortar finishes its first setting, some water should be sprayed onto the mortar and the surface should be finished with using steel or wooden trowel. Open areas should be protected from the rain, wind, etc. aggressive whether conditions during the first 24-48 hours after finishing repair by using wet clothes, curing membranes etc.

Coverage

1.72 kg/m² for obtaining 1 mm thick layer.

Packaging

25 kg bag

Storage

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

Technical data

Product chemistry	Mineral fillers and polymer modified cement
Colour	Grey/white
Compressive strength	
1 day	>20 N/mm ²
7 days	>35 N/mm ²
28 days	>40 N/mm ²
Flexural strength (28 days at 20°C)	7.0 N/mm ²
Bonding strength to concrete (28 days)	>1.0 N/mm ²
Application thickness (one layer)	1-5 mm
Pot life (+20°C)	45 minutes
Fully cured at 20°C	28 days