

Maxx Micro Concrete

Flowable, General purpose, Non- shrink Cementitious Micro Concrete

Description

Maxx Micro Concrete is ready to use non – shrink, high strength , free flowing repair mortar which requires only the site addition of clean water. This is specially designed for repair to damaged reinforced concrete. It is suitable for use in wide range of repairs, pavements, ramps etc.

Features & Benefits

- Polymer modified Pre – packed ready to use.
- Can be pumped or poured into restricted locations.
- Economical
- Excellent adhesion & durability
- Chloride free

Area Of Application

- Structural repairs
- Strengthening of vertical columns
- Structural strengthening measures such as filling honeycombs and cracks
- Repair of damaged reinforced concrete elements like beams, columns, wall, etc. where access is restricted and compaction is not possible

Application Methodolgy

Surface Preparation

All surface must be free of loose or deteriorated concrete and free of dust,dirt, paint, efflorescence oil and all other contaminants.

Priming

- Saturate the substrate with water to prevent absorption of water from the mixed material.
- In case of a old concrete substrate, it should be primed by applying one coat of Bond SBR 208 bonding agent. Allow the bonding agent to reach tacky condition before pouring of mix concrete.

Application

- Mix Maxx Micro Concrete with water (3.75 to 4 liters per 25 kg bag) till homogeneous mix is obtained
- Mix the material with mechanical paddle stirrer.
- Mix continuously for 5 minutes, ensuring a smooth even consistency of the mix.
- Pour or pump the mixed Maxx Micro Concrete into a watertight shuttering in the repaired area, when primer area becomes tacky.
- Cure the repaired surface for minimum 7 days.

Precaution & Limitation

- Micro Concrete can applied in section up to 100 mm deep.
- For thickness more than 100 mm, addition of pre calculated aggregates may be required.
- Ensure that the shuttering is 100 % water tight.
- Ensure full exposure of reinforcement steel.
- Consult structural engineer if the diameter of rebar is reduced by more than 20% than original diameter.

Technical Data

Form	Powder
Wet Density	2100 – 2250 kg/m ³
Compressive Strength	14 N/mm ² @ 1 Days 30 N/mm ² @ 3 Days 52 N/mm ² @ 7 Days 60 N/mm ² @ 28 Days
Flexural Strength	6 N/mm ² @ 28 Days
Tensile Strength	2.5 N/mm ² @ 28 Days
Expansion Characteristics	1 to 4 %

Packaging – 25 Kg

Shelf life - Shelf life is six months from the date of manufacturing. Store at cool & dry place in unopened condition.

Coverage - 1.3m² /25 kg bag at 10 mm thickness.

Yield - 25 kg bag of Maxx Micro Concrete will yield approximately 13 lit.

Health & Safety Precautions

- As with all chemical products, caution should always be exercised.
- Protective clothings such as gloves and goggles should be worn (see packaging for specific instructions).

- Treat any contact to the skin or eyes with fresh water immediately.
- Should any of the products be accidentally swallowed, do not induce vomiting but call for medical assistance immediately.