



STANDARD SET

MICRO CONCRETE

High Strength Microconcrete



Product Description

MICRO CONCRETE is cementitious, non-shrink, pourable, high strength for structure repair with high precision concrete. It is specially designed for restoring horizontal concrete surfaces damaged through concrete spalling and mechanical causes. It is recommended for thickness from 20 to 100 mm. It is suitable for various structural strengthening measures such as encasement build-ups, jacketing etc.

Special Features & Standard Followed

- ASTM C 109 and ASTM C 230
- Flowable mortar eliminates Honeycombing
- Develops high initial and final strength
- Gaseous expansion system compensates for shrinkage & settlement in the plastic state
- Excellent resistance to moisture ingress
- Easy to clean and can be pumped in restricted areas
- No compaction required
- Contain no chloride

Application

- Suitable for repairing of damaged reinforced concrete elements like slabs, beams & columns
- Suitable for repairs of concrete wall
- Can be repaired such concrete elements where access is restricted and compaction not possible
- Can be used for jacketing of RCC columns to increase load bearing capacity
- Suitable for pumping & pouring at restricted areas also

Suitable Substrates

- Any kind of internal and external concrete repairs
- Concrete structures like columns, beams, floors, walls and other repairs

Technical Properties

Testing Parameters	Result
Appearance	Grey Coloured Powder
Mixing Ratio (25 kg bag)	4 – 4.2 litre of water
Pot Life	25 to 30 minutes
Density of Mixture	2.5 gm/cc
Final Setting Time	6 to hours
Compressive Strength (After 28 days)	> 55 N / mm ²
Flexural Strength (28 days)	≥ 6.5 N / mm ²
Tensile Adhesion Strength	> 3 N / mm ²
Expansion (%)	< 4 %

Coverage

Approx. 5 – 5.5 sq. ft. / 25 kg bag mix at 20 mm bed thickness

Packing

25 Kg

Shelf Life

Factory sealed packs are best before 12 months from the date of manufacturing in unopened condition and stored in cool & dry area.

