

MCR (Micro Concrete)

Product Detail:

"MY MIX - MCR (Microconcrete)" is cementitious, non -shrink, flowable, high strength micro-concrete for structural repair with high precision concrete. It is recommended thickness is up to 40mm to 100mm. It is suitable for various structural strengthening measures such as encasement buildups, jacketing etc.

Advantages:

- Flowable mortar eliminates honey combination
- High early and final strength
- Compensation for shrinkage and settlement in the plastic state
- Develops high initial and final strength
- Excellent resistance to moisture ingress
- Easy to use



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How to Apply:

- Ensure leak proof shuttering before starting work
- Add 4 to 4.5 liters of water for 25 kg of MCR. The approx. ratio of 16% to 18% by weight
- If concrete thickness is more than 100mm, Mix 5 to 10mm pre-washed coarse aggregate
- Do not use vibrators, avoid vibration for 2-3 hours after pouring MCR

Technical Details: (As per IS 4031 part 5 & 6)

S . No	Testing Parameter	Specification
1	MCR – Mixing Ratio	4.0 to 4.5 litre water for 25 kg Material Approx: 16 – 18 % by weight
2	Product Colour	Grey
3	Compressive Strength in Mpa	
3.1	After 01 Day	5.2 Mpa
3.2	After 03 Days	13 Mpa
3.3	After 07 Days	27.8 Mpa
3.4	After 28 Days	48.1 Mpa
4	Setting time	
4.1	Initial Setting time in Minute	140 min
4.2	Final Setting time in Minute	290 min
5	Flexural Strength in Mpa	5.12 Mpa
6	Density in gm/cc	
6.1	Loose bulk density	1.75 gm/cc
6.2	Compacted Density	2.19 gm/cc
7	Flow Distance in MM	20 – 25 mm
8	Chloride Content	NIL

Packing:

- 25 kg bag and Project packing of 40 kg bag is available on demand

Shelf Life:

- Factory sealed bags are best before 12 months from the date of manufacturing in unopened condition stored in dry area.