

JSW MICRO CONCRETE

High Strength Non Shrink Micro Concrete

DESCRIPTION

JSW Micro Concrete is cementitious polymer modified, high performance, high strength, non-shrink material specially designed for micro concreting and jacketing applications of repair areas where the concrete has deteriorated.

FEATURES AND ADVANTAGES

- Single Component, Easy to use - just water to be added at site,
- Highly flowable
- Can easily reach the rare corner of the structure
- Uniform and smooth finish
- Early de-shuttering
- High ultimate strength and durable
- Faster completion of work
- Negligible wastage
- Nil shrinkage

METHOD OF APPLICATION

Surface Preparation

- Prepare the surface before the application of JSW Micro Concrete by removing oil, bond inhibiting agents, dirt, dust and laitance.
- Clean the surface following suitable methods like by using wire brush, water jetting, etc.
- The shuttering has to be proper and without any gaps or loose material to ensure nil leakage and bonding with the substrate.
- Reinforcement to be checked and provided as per the approval from structural consultant before placing JSW Micro concrete

Mixing

- Mix JSW Micro Concrete requires water powder ratio 0.1 to 0.12, potable water by weight of material.
- Add JSW Micro concrete to the measured quantity of water while continuously stirring using a mechanical stirrer. Mix until to achieve a smooth lump free consistent slurry.
- Do not use excess water than prescribed amount of water. Further water addition will reduce the strength and adhesion properties.
- If required, JSW Micro concrete can be mixed with coarse aggregates up to 10 mm depending on the desired thickness and structural requirements by maximum 25 % of total quantity of micro concrete (more quantity of aggregates can be used by consultation with the technical team of JSW and site engineer). The aggregates must be clean, washed and dry.

AREAS OF APPLICATION

JSW Micro Concrete is used for repairs to damaged reinforced concrete elements, particularly where access is restricted and where vibration of the placed material is difficult or restricted

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TECHNICAL DATA

Appearance	Free Flowing Powder
Color	Cementitious Light Grey
Fresh wet density	2200 - 2300 kg/m ³
Water powder ratio	0.10 - 0.12 by weight
Pot life	30 Mins at 27°C
Compressive strength @ 28 days	Min 50 Mpa
Shrinkage	Nil
Yield	12 Ltrs / Pack of micro concrete (25 Kg)

SHELF LIFE

12 months from the date of manufacturing if stored in unopened original packing, under shade in dry and moisture free conditions.

PACK SIZE

- 25 kg Bag

PRECAUTIONS

- Always add powder to water.
- Do not add excess water than recommended.

SAFETY PRECAUTIONS

Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice. Limited to professional use only. For more details please refer the relevant Material Safety Data Sheet, available on request

Disclaimer - JSW construction chemical dry mix products are guaranteed against material and manufacturing defects. The product is sold as per standard terms and conditions of sales, copies which may be obtained on request. JSW's endeavor is to ensure correct and accurate information on product performance and recommended specifications as mentioned in literature, and still may have to abstain from circumstantial deviations which are beyond control due to human intervention, atmospheric conditions or natural calamities which may not be in accordance with any advice, specification, recommendation or information given by it.