

brix micro concrete 470

DESCRIPTION

A specially prepared ready to use grey powder which requires addition of water only on site, to produce a free flowing, high strength concrete which has micro fine aggregates and ability to penetrate into the recesses of concrete members and behind the reinforcement of the member under repair.

USES

Structures under repair often require building up with high strength concrete. Conventional concrete poured in the jacketing shutters often exhibits honey combing and poor adhesion apart from its inability to effectively fill the recesses of the broken members and penetrate behind the reinforcements. Mortars used in this area of application have shown a poor strength and high degree of permeability and they can never match the strength properties of original concrete. Brix micro concrete forms an easy tool in the hands of structural repair contractor to get over the major problem of making up the broken member with a high strength absolute waterproof and free flowing concrete which tends to flow in all directions to effectively fill and build up the member.

COMPOSITION

Brix micro concrete is a blend of selected Portland cements. Specially graded micro fine aggregates, fillers and a range of fluidifiers.

ADVANTAGES

High early strength: Reaches the strength of main structural member in 24 hours only..

Non shrink: it does not produce shrinkage cracks along the line of old and built-up concrete section.

Good Bond: It achieves an excellent bond with parent concrete.

Impermeable: the repaired part of structural member becomes impermeable to water and protects the reinforcements from any corrosion.

Chemical Structure: brix micro concrete does not require elaborate curing. Sprinkling of water for two days is enough.

DIRECTIONS FOR USE

Brix micro concrete is supplied in powder form. Mix water to the powder in the ratio of 0.16 to 0.18 approx. to get the desired consistency and pour in the forms. Care should be taken to see that the gaps in the shutter forms are effectively sealed with masking tape or cotton to ensure that the material does not run out of shutter

joints. Where the repaired surface needs to be plastered hack the surface immediately after removal of the shutters.

SURFACE PREPARATION

Surface to be repaired shall be clean and sound free from any deleterious material. Weak portion of concrete should be cut back till sound surface is available. Damp the surface of old concrete before pouring brix micro concrete.

PROPERTIES

Brix micro concrete is high strength precision repair material. It exhibits the following properties. Achieve a compressive Strength of 250 kgs/cm² in 24 hours. Increased bond strength. Reduced co-efficient of creep. High tensile and flexural strength.

YIELD

Approximately 24.5 litres per 50 kgs sack

PACKING

Brix micro concrete is available in 20kg and 50kg sacks.

SHELF LIFE

12 months from the date of manufacture, if stored in cool dry place away from moisture.

QUALITY ASSURANCE

All 'brix' branded products are manufactured under strict quality control supervision as per exact manufacturing specifications. Should you find the behavior of the product varying from the claims in the data sheets please stop the use of the product and contact the nearest brix staff or distributor