

## BUILD MICROKRIT

### High strength micro concrete for repair

**DESCRIPTION :** A specially prepared ready-to-use grey powder which requires only addition of water at job site, to produce free flowing and semi fluid / plastic high strength concrete which has micro fine aggregate and ability to penetrate into the recesses of concrete members behind the reinforcement of the structure under repair.

**USES :** Conventional repair of honey combed area and to fill recesses of broken structure of concrete. In fact it is used to effect permanent repairs to all types of concrete and mortar. Most useful for repair of soffit of beams and columns.

#### FEATURES

- ❖ Volume stabilised and non-shrink micro concrete – high early strength. It provides strength of main structural member or in excess within 24 hours only.
- ❖ It does not produce any cracks along the line of old and build-up concrete section
- ❖ Good bond. It achieves concrete.
- ❖ Produces highly impermeable concrete to water and protects the reinforcements from corrosion.
- ❖ Normal curing as it is done for any other concrete.
- ❖ Pocket up to 100mm can be filled in one application.
- ❖ Specially selected and graded micro fine aggregate, fillers and range of fluidifiers ensure optimum density and durability.

**APPLICATION : SURFACE PREPARATION:** Surface to be repaired or cavity to be filled, shall be cleaned sound and free from any deleterious materials like oils, grease etc. Week portion of concrete should be cut back till sound surface is available. Damp down the surface of old concrete or soak with water for overnight and then remove excess water to get saturated dry (SSD) before pouring **BUILD MICROKRIT**.

**APPLICATION :** Mix water to the powder in the ratio 0.14 to 0.18 depending upon the consistency required and then pour in the forms / shutters. Gaps in the shutter / form should be effectively sealed with masking tape to ensure that leakage of fluid material does not take place through joints. Where the repaired surface needs to be plastered, hack the surface immediately after removal of the shutters / forms. Curing may be carried out as usual with wet hessian / polythene or **BUILD CURE** - curing compound.

#### TECHNICAL DATA

Colour / Type	:	Grey powder with microfine aggregate and additive for repair of cavity pitting of concrete / mortar surface or joints. It is an extra high strength and precision structure repair material.	
Fresh wet density	:	2200kg/m <sup>3</sup>	
Volume change	:	Nil	
Typical compressive strength	:	24 hours	: 280
Kg/cm <sup>2</sup> at 35°C with w/p ratio at 0.16	:	3days	: 400
	:	7 days	: 500
	:	28 days	: 600
Typical bond strength-28 days	:	7 kgs./cm <sup>2</sup>	
Typical flexural strength	:	kg/cm <sup>2</sup>	
Yield	:	24.50 ltrs. per 50kg. bag at 0.17 w/p	
Packing	:	25/50kgs. polypack	
Storage	:	Keep in dry place	
Shelf life	:	12 months if kept unopened	
Health & Safety	:	Alkaline powder, handling should be done accordingly. Non-toxic, non-inflammatory	