

# DURA BUILD CARE PVT. LTD.



AN ISO 9001 : 2008 COMPANY

*“Quality, Integrity Assured.”*

## DURAMICROKRIT

High strength micro concrete for repair

### Description:

A specially prepared ready to use grey powder which requires addition of water only 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 honeycombed 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. **DURAMICROKRIT** is of particular interest to specialist military agencies, airport road and port authorities. Most useful for repair of soffit of beams and columns.

### Features:

- ❑ Volume stabilized 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 an excellent bond with parent concrete.
- ❑ Produces highly impermeable concrete to water and protects the reinforcements for, corrosion.
- ❑ Normal curing as it is done for any other concrete.
- ❑ Pocket upto 100mm can be filled in one application.
- ❑ Specially selected and graded micro fine aggregate. Fillers and a range of fluidifiers ensure optimum density and durability.

### Application data:

#### Surface Preparation:

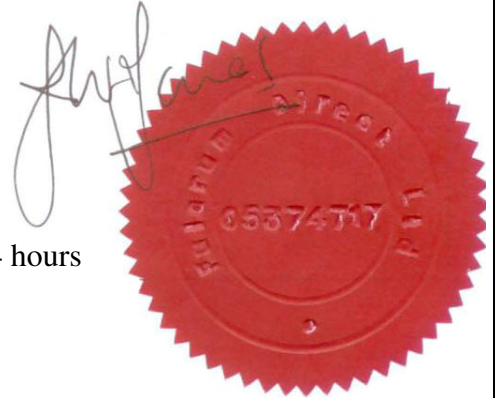
Surface to be repaired or cavity to be filled shall be cleaned sound and free from any deleterious materials like oils, grease etc. Weak portion of concrete should be cut back till sound surface is available. Damp down the surface of old concrete or soak with water for over night and then remove excess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

#### DURAMICROKRIT 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/ forms 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 **Duracure**.

## Technical data:

Colour / Type	:	Grey powder with micro fine aggregate and additive for Repair of cavity/pitting of concrete/mortar surface of joints. It is an extra high strength and precision structural repair Material.
Fresh Weight Density	:	2200 Kg/M <sup>3</sup>
Volume Change	:	Nil
Typical Compressive Strength, Kg/cm <sup>2</sup> at 27 <sup>0</sup> C	:	400 Kg/ cm <sup>2</sup> at 0.16 W/P within 24 hours
Typical bond strength Kg/cm <sup>2</sup> at 28 days	:	7 Kg/ cm <sup>2</sup>
Typical Flexural Strength Kg/cm <sup>2</sup>	:	60
Yield	:	12.25 Liter per 25 kg bag at 0.17 W/P
Packing	:	In 25 Kg Polypack
Storage	:	keep it in a dry place.
Shelf Life	:	12 months if kept in original packing under shed.
Health & Safety	:	Alkaline powder. Handling should be done accordingly. Non-toxic, non- flammable.
Product information	:	Although the basic formulation of our products generally Remains unchanged. Production refinements arising from Continuing research and evaluation program may Occasionally results in marginal changes in properties.



**IMPORTANT:** Though the product may change with some code as suffix or addendum to the principal or original name out of some minor adjustment and fine tuning in the formulation due to our continuous research and development but shall exhibit the stated properties with more improvement.

**WARRANTY:** Our high potency products are manufactured under stringent National/International Quality Standard specifications and guaranteed against any manufacturing defect. Suggestions and recommendations are made here based on our most practical experience and exposure over 25 years in the field and are believed to be most appropriate and correct BUT no liability can be accepted by us, as the conditions of use of such products are beyond our control.

**HEAD OFFICE:** 104-106, Dimension Deepti Plaza, Plot No-3, LSC, Pocket-6, Nasirpur, Dwarka, New Delhi-110045.

Phone No.: 011-25050236, 011-25050237, Fax No.: 011-25050238

E-mail: admin@durabuildcare.com, sales@durabuildcare.com, Website: durabuildcare.com