

**PRODUCT DESCRIPTION:**

**MULTICON<sup>®</sup> MC40** is specially prepared ready to use grey powder which requires only addition of water on site, to produce free flowing high strength concrete. **MULTICON<sup>®</sup> MC40** is a mix of specially processed cement, fillers, additives and supplied as micro-concrete. It has ability to penetrate into the recess of concrete members and behind the reinforcement of the member under repair.

**USES:**

Damaged structures often need repair with high strength concrete. Conventional concrete used in the jacketing shutters often give to honey combing. It also has poor adhesion to old structures and may not be free flowing required for filling up recess of affected members. **MULTICON<sup>®</sup> MC40** has excellent free flowing properties and absolute waterproof. It can be used to repair damaged concrete columns, beams, honey-combed structures etc. Other uses are in industrial floor repairs bridges, roads, drive ways etc.

**MULTICON<sup>®</sup> MC40** has excellent adhesion to the substrate with or without primer coat and facilitates repair work to be speeded up cutting down time. **MULTICON<sup>®</sup> MC40** is specially suitable for use in industrial concrete floor repairs and the floor can be opened to traffic after 24 hours.

**MULTICON<sup>®</sup> MC40** offsets the shrinkage associated with cementitious materials and thus ensuring stress free surface.

**ADVANTAGE:**

- ✓ Premixed micro-concrete only need on site mixing of precise quantity of clean water
- ✓ High early and ultimate strength.
- ✓ Facilitate fast repair
- ✓ Good bond with parent concrete
- ✓ Non - shrink.
- ✓ Chloride and iron free
- ✓ Impermeable

**TECHNICAL DATA:**

Density: 2200 kg/ m<sup>3</sup>  
 Application Temperature: 10-40 °C  
 Coverage: 20 kg/m<sup>2</sup> at nominal thickness of 10 mm.  
 Yield: 12 lit /25kg sack

Product	W/P Ratio	Compressive Strength N/mm <sup>2</sup>				Bond Strength N/mm <sup>2</sup>
		1D	3D	7D	28D	
MULTICON MC40	0.13			40	50	2.5



## APPLICATION DATA:

### Surface Preparation

Cut back all concrete to be repaired to a thickness of 50mm at the minimum and ensure edges are straight. Remove all dust, debris by flushing with water, keeping the surface saturated.

### Priming / Bonding

Saturate the surface with water and apply **Bondcoat<sup>®</sup> AC** as a primer.

### Mixing

Place 80% of the total water required in a concrete mixer( Approximately 4 lit water requirement). Add all **MULTICON<sup>®</sup> MC40**, slowly mix for 2-3 minutes. Add the balance quantity of water and mix to obtain homogeneous trowellable / free flowing consistency mix as per uses.

### Placing

Place the mixed material in the form. Care should be taken to see the gaps in the shutter forms are effectively sealed. When the surface needs to be plastered hack the surface immediately after removal of the shutter.

### Curing

Place a polythene sheet on the repaired surface to prevent premature evaporation of water. Cure by water ponding, curing membrane or wet hessian cloth for atleast 7 days.

### Cleaning

Wash tools with water to remove any left out **MULTICON<sup>®</sup> MC40**.

## WARRANTY

Multichem warrants **MULTICON<sup>®</sup> MC40** to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of **MULTICON<sup>®</sup> MC40**.

Because the Multichem does not perform the actual installation, it cannot be held responsible for the results of the application. Multichem specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Multichem part. Multichem neither assumes nor authorizes any person to assume for Multichem any liability in connection with the sale and installation of **MULTICON<sup>®</sup> MC40**.

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