



# CONSOL POLYCRETE

Fiber Reinforce, Shrinkage Compensated Repair Mortar for Floor Repair

## DESCRIPTION

**CONSOL POLYCRETE** is a cementitious with special fibres, polymer modified, repair mortar containing reactive micro-silica. It is consist of two-component to produce excellent shrinkage compensated repair mortar.

## RECOMMENDED FOR

**CONSOL POLYCRETE** has excellent comprehensive strength suitable for :

- Use for most types of concrete repair for floor
- Repairing unwanted hollow and preventing shrinkage
- Base plates/machine foundation, etc.

## BENEFITS

**CONSOL POLYCRETE** provides the following properties of benefit such as:

- Shrinkage compensated
- Micro silica and polymer modified
- Adjusted consistency
- Low permeability
- Good adhesion
- Excellent comprehensive strength

## PRODUCT DATA

### Chemical based

Cement, selected fillers and aggregates, polymer modified

### Form

Part A: Liquid  
Part B: Powder

### Colour

Concrete Grey

### Packaging

30 kg set

### Mixing Ratio

Comp. A : B = 1: 6.3 by weight

### Mixing Density

Approx. 2.1 kg/l

### Pot Life 30<sup>0</sup> C

25 minutes

### Shelf-life

9 months when unopened

### Storage

Dry, cool, shaded place

### Product Temperature

<30 °C

## TECHNICAL DATA

### Compressive Strength ASTM C-109)

**1 day** : ~24 N/mm<sup>2</sup>

**3 days** : ~30 N/mm<sup>2</sup>

**7 days** : ~40 N/mm<sup>2</sup>

**28 days**: ~45 N/mm<sup>2</sup>

### Bond Strength to Concrete 28 days

~1.5 N/mm<sup>2</sup> (concrete failure)

### Compressive Strength (ASTM C-348) 28 Days

≥15 N/mm<sup>2</sup>

## INSTRUCTION FOR USE

### Surface Treatment

1. Prepare surface area by cleaning and grinding.
2. The concrete substrate must be sound clean and free from oils, grease or surface contaminants. All loose materials and surface laitance must be removed by high pressure water jet blasting or by other mechanical means.
3. Use potable water to damp the surface until saturated surface dry (SSD) with no standing water.
4. All feathered edges around the area to be repaired should be squared off with an angle grinder and chiseled down to a minimum depth of 10 mm.

### Mixing

Pre-Batched units :

Add Component B to Component A partially together for at least 3 minutes with a mixing spindle attached to a slow speed electric drill (max. 300 rpm) until reaching desire consistency and a uniform grey color. Avoid aeration while mixing. Then, pour the whole mix into a clean container and stir again for approx. 1 more minute at low speed to keep air entrapment at a minimum. Mix only that quantity which can be used within this pot life.



### Application

Pour **CONSOL POLYCRETE** after mixing to the repair area. Best to use trowel with desire result.

For additional technical information of **CONSOL POLYCRETE** contact the Technical Service.

### CURING

Cover all exposed mortar with wet hessian, plastic sheeting or use CONSOL curing compound such as Consol Cure B.

### CLEANING TOOLS

Clean all tools and application equipment with general cleaner after use. Hardened/cured material can only be mechanically removed.

### HANDLING PRECAUTIONS

- Avoid contact with skin and eyes
- Wear protective gloves and eye protection during work
- If skin contact occurs, wash skin thoroughly
- If in eyes, hold eyes open, flood with warm and seek medical attention without delay.

Consol<sup>®</sup>  
CONCRETE SOLUTION