



# Centricrete

Ready to use, hydraulically setting, polymer modified waterproof grout for injections and filling of cracks and cavities

## Product properties

- Is hydraulically setting, premixed, polymer modified grout for injections.
- It is ready to use Injection grout with characteristics like water impermeability, non shrinkage, free flowability etc.
- Creates an integral waterproofing barrier and prevents water penetration and rising dampness

## Areas of application

- Foundation rafts and construction joints in basements etc.
- Brickwork injections for damp proofing course.
- Cracks and cavities in masonry.
- Cracks in concrete where sealing and structural repairs are required.
- Voids in roofs and joints between parapet walls and slabs.

## Application

The cracks, cavities, crevices and similar damages are most undersired elements in any structure. They create a number of problems, often very grave and serious. Nevertheless such damages in many cases can be effectively repaired and rectified with the materials available today in conformity with modern construction technology. Liquid plastic like Epoxy, polyurethane, etc., based materials, if applied properly, solve many of the problems and rectify the damages. Often from economical considerations repair and rectification of damages with liquid plastics turns out expensive and impractical

Hence the need to develop an inexpensive cementitious grout, which is waterproof, non shrink ready-to-use and free flowing for injection of cracks, filling of cavities, voids and crevices was felt.

**Centricrete** Injection Grout is produced with carefully selected water-repellent and silicifying chemical compounds and inert fillers to achieve varied characteristics like water impermeability, non shrinkage, free flowability etc. The strength values of **Centricrete** are much higher than those in usual cement grouts. In concrete structures **Centricrete** is used for non-monolithic injections. Most of the conventional grouts generally do not provide effective waterproofing, non-shrinkage and free flowability characteristics and **Centricrete** is specifically developed to replace them and ensure an effective and durable repair in structures. The grout is pumpable and does not segregate even under pressure.

## Advantages

The injection grout is waterproof with non-shrinking properties thereby the cracks, cracks, crevices and cavities are optimally filled and waterproofed.

Because of high dispersion the grout does not settle when mixed with water and remains in suspension. Due to the alkaline nature of the grout, it prevents the carbonation in concrete and thus effectively protects the reinforcement against corrosion.

## Instructions for use

The substrate must be firm and should be properly cleaned to remove loose particles, dirt, grease, oil and any other contaminations. The cracks, cavities, crevices etc. should have widths equal or greater than 2 mm for effective filling by **Centricrete**. If the surface to be filled is porous, dry and absorbent, it is necessary to flush the holes with water prior to application of grout to remove debris and prewet the gaps. However, it should be ensured that the substrate so wetted should just be moist and there should not be standing or free water present.

**Centricrete** grout is pumpable when the water-product ratio is about 0.45 to 0.50 i.e. for 30 Kgs **Centricrete** 13.5 – 15.0 litre of water. The exact quantity of water can be determined at site depending upon the type of injecting techniques used, whether gravity or pressure, crack widths, porosity of surface to be grouted etc.



### Technical Data for Centricrete

Characteristic	Unit	Value	Comments
Bulk density	g / cm <sup>3</sup>	1.70 – 1.72	(after mixing)
Mixing ratio	water / powder	0.45 – 0.50	
Pot life	minutes	30	
Consumption	gram / l volume	1150	

### Product Characteristics for Centricrete

Colour	Grey powder
Shelf life	6 months
Delivery	30 kg sacks
Storage	Protect from heat and frost
Disposal	Packs must be emptied completely.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.  
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