

# COSTARGROUT - C20

## General Purpose, Non-Shrink Precision Grout

### Description

COSTARGROUT - C20 is high strength, non-shrink, and Portland cement based precision grout with excellent high early and ultimate strengths. The precision grout product includes expansive additives, requiring only the addition of water to obtain flow-able properties and high strengths.

### Features

- Chloride Free
  - It is easy to mix and apply
  - High early strength gain
  - Non-bleeding /non-segregating
  - Non-corrosive/non-chloride/non-metallic
  - It is non-shrink and has got positive expansion
  - It has good pour ability and flow-ability
- Usable over a wide range of consistencies from dry pack to flow-able

### Typical Application

- Costargrout C20 may be used in many grouting applications such as:
- Grouting under baseplates, columns and equipment not subjected to heavy impact or vibratory loads.
- Base plates and bolt-pockets of turbo generators
- Columns in precast contractions
- Diesel generator sets
- Cement, textile and paper mill machinery
- Steel rolling mill beds
- Crane and transporter rails
- Concrete anchors
- Cavities, gaps and recesses

### Mixing Instruction

To mix Costargrout C20, most of the mixing water should be added to the mixer first, then add the powder to the water and adjust as needed to achieve the desired consistency. The Costargrout C20 should be mechanically mixed for a minimum of three minutes. The quantity of clean water required to be added to a 20kg bag to achieve the desired consistency is given below:

**Flowable:3.6 litres**

### Application

Surfaces to receive the grout must be clean and free of any type of foreign matter, grease, paint, oil, dust or efflorescence. In some Cases, it may be necessary to roughen smooth surfaces or etch old ones with acid. The area should be thoroughly flushed and soaked with clean water prior to grouting, leaving no standing water. Place the grout quickly and continuously using light rodding to eliminate air bubbles.

### Curing

When properly mixed to a fluid consistency, the non-shrink grout will comply with ASTM C 1107 and CRD621 retain a fluid consistency for the maximum usable working time of 25 minutes at 50° F (10° C). A damp cure of at least 3 days is required to control the non-shrink characteristics and maintain strength levels.

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### Technical Details

Flow: 20 to 25 cm on flow table. Flow Tested as per BS: 451 Part 12, 1980

Compressive Strength N/mm<sup>2</sup> (BS: 1881: Part 116, 1983)

Age (Days)	Flowable W/P=0.18
1	20 - 24
7	50 - 55
28	55 - 60

Flexural Strength N/mm<sup>2</sup> (BS 4551, 1998)

Age (Days)	Flowable W/P=0.18
1	17.2
3	34.4
7	41.3
28	55.1

### Packaging

20 Kg Bag

### Storage & Shelf Life

It has a shelf life of 12 months. Bag should be kept in sealed condition to prevent any reduction in shelf life. Store the material below 35°C temperature. Freezing and exposure to heat & direct sunlight should be avoided.

### Limited Warranty

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either expressed or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

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