

COSTARGROUT - C10

Non-Shrink Precision Grout

Description

Costargrout C10 is a non-shrink structural grout that is specially designed to produce high early and high ultimate strength in anchoring and grouting of anchor bolts, retrofitted reinforcing steel, steel column bases and other installations.

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 C10 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 C10, 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 C10 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 500 F (100 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: 18 to 24 cm on flow table. Flow Tested as per BS: 451 Part 12, 1980
Compressive Strength N/mm² (BS: 1881: Part 116, 1983)

Age (Days)	Flowable W/P=0.18
1	10
3	26
7	32
28	46

Flexural Strength N/mm²(BS 4551, 1998)

Age (Days)	Flowable W/P=0.18
1	2.4
3	6.9
7	7.4
28	8.4

Coverage

0.44 ft² (0.01 m³) at fluid consistency

(coverage figures do not include allowance for surface porosity or material wanted)

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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