CHEMGROUT 215

CEMENTITIOUS NON-SHRINK GROUT

DESCRIPTION

CHEMGROUT 215 is a general purpose, shrinkage compensated cementitious grout, supplied as a ready-to-use dry powder. With the addition of a right amount of clean water, it produces a flowing shrinkage compensated grout for gap thicknesses of up to 100 mm.

USES

- Gaps & cavities
- Honeycombs
- Machine foundations
- Columns in precast construction
- Concrete anchors

ADVANTAGES

- High ultimate strength and low permeability to ensure the durability of the hardened grout.
- Dry-packed, can be rammed, troweled, poured or pumped.
- Gaseous expansion system compensates for shrinkage and settlement in the plastic state.
- No metallic ion content to cause staining.
- Good impact resistance.

PHYSICAL DATA

Colour : Grey

Test Method	Standard	Result	
Compressive Strength	BS EN 12390	65.3 N/mm^2	
Pull-Off Adhesion Strength	ASTM D7234	300 psi	
Flexural Strength	AS 1012.11:2000	1 Day 7 Days 28 Days	4.2 MPa 8.0 MPa 8.5 MPa
Indirect Tensile Strength	AS 1012.10:2000	1 Day 7 Days 28 Days	2.9 MPa 4.7 MPa 6.0 MPa
Fresh Wet Density		2.2 kg/L (depending on consistency used)	
Flow Characteristics	AS 1478:2:2005	25 – 35 seconds (Flow cone)	
Minimum Thickness Maximum Thickness		10 mm 100 mm	

**The results above are typical data and given as a guide only. Site results may vary according to mixing processes, placing, curing etc. Preliminary tests are always recommended.*

TYPE
STRUCTURAL REPAIRS

ADVANTAGES
HIGH TENSILE

COMPONENT
1
PART

CHEMGROUT 215
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APPLICATION

Preparation of Substrate Surface

The substrate surface must be free from oil, grease or any loosely adherent materials. If the concrete surface is defective or has laitance, it must be cut back to sound base. Bolt holes or fixing pockets must be blown clean of any dirt or debris. All adsorbent surface must be well saturated with clean water, but free of any surface water or puddles prior to the application of **CHEMGROUT 215.**

Mixing

A forced-action mixer is essential and it should be mixed at a slow speed (400 to 500 rpm) for 2 – 3 minutes.

Consistency	Required Water Addition per 20kg Bag
Stiff	2.6 – 3.4 litres
Plastic	3.4 – 3.6 litres
Flowable	3.6 – 3.9 litres

Curing

If formwork type of repair is used, leave the formwork in place for at least 3 days. Cure the exposed areas with appropriate curing methods.

Cleaning

CHEMGROUT 215 should be removed from tools, equipment and mixers with clean water prior to the initial set. Cured material can only be removed mechanically or by metal scrapper.

Placing

At 23 °C, place the grout within 20 minutes of mixing to gain full benefit of the expansion process. **CHEMGROUT 215** can be placed in thicknesses up to 100 mm in a single pour when used as an underplate grout. For thicker sections, it is necessary to fill out **CHEMGROUT 215** with well graded silt free aggregate.

Any bolt pockets must be grouted prior to grouting between the substrate and the base plate. Continuous grout flow is essential. Sufficient grout must be prepared before starting. The time taken to pour a batch must be regulated to the time to prepare the next one.

Pouring should be from one side of the void to eliminate any air or pre-soaking water becoming trapped under the baseplate. It is advisable to pour the grout across the shortest distance of travel. The grout head must be maintained at all times so that a continuous grout front is achieved with no air entrapment.

Pumping

Where large volumes have to be place, **CHEMGROUT 215** can be pumped using a heavy-duty diaphragm pump. Screw feed and piston pumps may also be suitable. Maximum aggregate size for pumping is 0.3 mm. Selected pump must be ensured to be capable of pumping the size of aggregate.

SHELF-LIFE

Twelve (12) months if kept in a dry storage in the original unopened packs.

PACKAGING

CHEMGROUT 215 are packed in 25 kg bags.

Legal Notes:
'Statements made in this bulletin are for the assistance of our customers. They are based on our experience and judgment but must not be regarded as amounting to a legal warranty or as involving any liability on our part. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of this product must test the product's suitability for the intended application and purpose. CHEMIND reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. Users may always refer to the most recent issue of our Product Data Sheet for the products concerned, copies of which will be supplied upon request.'

SCOPE OF REGISTRATION AND STANDARDS

Manufacture of Waterproofing materials. Compliance with ASTM technical standards and AS 3740 - 2004 Australia Standard. SIRIM certification is available for selected products upon request, subject to applicable testing and certification requirements.

Made In Malaysia

CHEMIND

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SIRIM

ASTM INTERNATIONAL Standards Worldwide

CHEMIND AUSTRALIAN TECHNOLOGY

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