

asiamMORTAR
Deliver Solutions

R-GROUT 310

DESCRIPTION

R-GROUT 310 is a premixed cement-based non-shrink grout that is non-corrosive, non-oxidizing and is free of chlorides and nitrates. When mixed with water, R-GROUT 310 is transformed into a highly fluid grout without segregation that is able to fill intricate spaces.

USES

R-GROUT 310 is used extensively for pressure grouting and as repair grout. R-GROUT 310 is used for repairing structural building members such as pre-cast wall panels, under plates, beams and columns and post tensioned girders.

R-GROUT 310 may also be used for pressure grouting of concrete structures, filing of rigid joints between elements in concrete and pre-cast concrete structures.

ADVANTAGES

- Non-shrink performance provides excellent bearing
- Flowable and self-levelling
- High strength
- Appearance of plain concrete
- Does not contain any added chloride ions

METHOD OF USE

Surface Preparation

All surfaces must be clean and sound. Remove all dust and debris. Thoroughly wet all surfaces before starting and keep substrate in a moist condition during placing. Any free surface water must be removed before application. Allow water drainage channels/holes in the under plate grout formwork.

Mixing

Always use a mechanical grout mixer for optimum mixing and workability. Conventional or hand mixing will result in lower workability.

First, pour the measured water into the container, and gradually add the dry powder. Continue mixing for an additional 2-3 minutes until the desired consistency is achieved. As far as possible, use exact and consistent timings for each operation to obtain consistent results.

Application

Place R-GROUT 310 quickly and continuously. Place all grout to assure complete filling of space being grouted and use a rod or strapping to assist in placement. R-GROUT 310 may be placed in thickness up to 50mm at one pour.

For dry and sunny conditions, after initial hardening of the grout, all exposed areas should be thoroughly cured by means of curing membranes, or under wet Hessians.

HANDLING

R-GROUT 310 is non-hazardous, but work cleanly and wear protective clothing. Wear a filter mask to avoid inhaling dust. Remove splashes from skin with water and in case of eye contact wash copiously with water. If irritation persists, seek immediate medical attention.

SPECIFICATIONS		
Water per 25kg bag	5.0 Litres (Flow)	4.4 Litres (Splice Sleeve)
Flow Consistency (ASTM C939:2002)	< 30 seconds	163 seconds
Setting Time		
Initial Set (ASTM C953:1987)	285 mins	
Final Set (Re-approved 1997)	330 mins	
Compressive Strength	> 70 N/mm ²	87.5 N/mm ²
Expansion / Shrinkage % (ASTM C940:1998a)	+0.25%	
Bleeding % (ASTM C940:1998a)	0%	

CONSUMPTION

A bag will yield 0.013 m³ of R-Grout 310 mix.

PACKING

R-GROUT 310 is supplied in 25kg bags at 60 bags per pallet.

SHELF LIFE

If stored in a cool and dry place, the shelf life of R-GROUT 310 is approximately 6 months in unopened bags.

Asia Mortar

Singapore • Malaysia • Vietnam • China

Tel: +65 6269 5575 • +60 6 4416 818 • +84 8 3820 8686 Email: info@asiamortar.com Website: www.asiamortar.com