

## am GROUT 310

### DESCRIPTION

**am** 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, **am** GROUT 310 is transformed into a highly fluid grout without segregation that is able to fill intricate spaces.

### USES

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

**am** GROUT 310 may also be used for pressure grouting of concrete structures, filling 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 80% of 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 **am** 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. **am** 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.

# GROUTS AND REPAIR MORTAR

## HANDLING

**am** 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.

## CONSUMPTION

A bag will yield 0.013 m<sup>3</sup> of **am** GROUT 310 mix.

## PACKING

**am** 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 **am** GROUT 310 is approximately 12 months in unopened bags.

## SPECIFICATIONS

Water Powder Ratio	Approximately 0.14 - 0.2 (or 3.5 – 5.0 litres of water per 25kg bag)  Consistency for Pressure Grouting
Setting Time	
Initial	≥ 60 mins (ASTM C953:1987)
Final	≤ 600 mins (BS 4550:1978)
Compressive Strength(28 days)	> 80 N/mm <sup>2</sup> (ASTM C109 : 2002)
Flow Consistency	(22 – 32)cm (ASTM C230-90, no strokes)
Volume Change	+0.20% (ASTM C827:2001a)
Bleeding	0% (ASTM C940:1989)



022-021  
Eco-Friendly Building Material  
Minimum 20% Recycled Content

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