

am GROUT 305

DESCRIPTION

am GROUT 305 is a premixed cement-based non-shrink grout that is non-corrosive, non-oxidizing and free of chlorides and nitrates.

When mixed with water, **am** GROUT 305 is transformed into a very highly fluid grout without segregation that is able to fill intricate spaces.

USES

am GROUT 305 is used extensively for pressure grouting and as a flowable grout.

am GROUT 305 is used for repairing structural building members such as pre-cast wall panels, under plates, beams and columns and post tensioned girders.

am GROUT 305 may also be used for pressure grouting of concrete structures, filling of rigid joints between elements in concrete and precast concrete structures.

ADVANTAGES

- Filling gaps between penetrating pipes and concrete, providing water lighness.
- Shrinkage Compensation - system compensates for shrinkage and settlement in the plastic state.
- Reliable - site batching variations eliminated by the use of factory-controlled pre-packed material.
- High Early Strength - rapid return to service.
- Durability - high early strength and excellent ultimate strength.
- Good waterproofing

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 **am** GROUT 305 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 305 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 which are not to be cut back should be thoroughly cured by means of water application, or under wet Hessians, or by application of **am** FLEXICURE 102 curing compound.

GROUTS AND REPAIR MORTAR

HANDLING

am GROUT 305 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 25kg bag will yield 0.013 m³ of **am** GROUT 305 mix.

PACKAGING

am GROUT 305 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 305 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	(ASTM C109 : 2002)
1 day	(12 – 20) N/mm ²
7 days	(25 – 35) N/mm ²
28 days	> 50 N/mm ²
Flow Consistency	(22 – 32)cm (ASTM C230-90, no strokes)
Volume Change	+0.20% (ASTM C827:2001a)
Bleeding	0% (ASTM C940:1989)



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