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Tecgrout C

Economical non shrink cementitious Class C Grout

Description

Tecgrout C is a flowable, nonshrink type C grout based on ordinary Portland cement, specially graded aggregates and admixtures to produce a flowable grout at a low water cement ratio.

Advantages

- Flowable
- High Strength
- Easy Application
- Dual Shrinkage Compensation
- Durable

Application Instructions Typical Properties

Set Times	@ 20°C	
	Initial	160 minutes
	Final	275 minutes
Compressive Strength		
	Age	Strength
	24 Hours	16 MPa
	7 Days	36 MPa
	28 Days	55 MPa

Preparation

All surfaces to be contacted must be clean, dry and free of oil, grease or other contaminants which may affect adhesion of the product. Loose concrete or other material should be removed from the surface and repaired prior to application of Tecgrout C

Priming

No priming is necessary when grouting concrete rebates or voids. Predampening the concrete with potable water will improve adhesion and strength developments. Avoid pooling of water.

Mixing

Tecgrout C is suitable for mixing using a drill and suitable paddle, or pump where a large quantity is required.

Use 4.0 litres of water per bag of Tecgrout C to achieve a smooth flowable consistency. Mix for 3 to 5 minutes to ensure thorough mixing. Excess water will reduce the final strength and make application of the grout more difficult. Always add the powder to the water while mixing slowly to avoid lumps. Only mix that quantity of material that can be used within the setting time. Do not attempt to rework or retemper any partially set product.

Application

Place the mixed Tecgrout C in the formed void by pouring or pumping in a single continuous operation to fill the void. Use a header box where possible and maintain the grout level above the bottom of the base plate. If a break is inevitable, it should not exceed 10 minutes before pumping is recommenced. The provision of air bleed holes will help facilitate placement under complex base plates. The minimum thickness applied in any application should be limited to 10mm.

Curing

Wet cure for several days where possible to maximise the hydration and expansion process. Immediately after the formwork has been removed apply a coat of Freecure C30 to the exposed faces of the grout.

Clean Up

Clean all equipment with water immediately after use. Hardened grout can only be removed with difficulty.

Estimating Packaging

Tecgrout C is supplied in poly lined multi-ply paper bags with a net weight of 20kg.

Estimating Data

Fresh wet density = 2130 kg/m³ (4lt water per bag)

Consistency	Trowel	Flowable	Fluid
Yield per bag	10.4	11.1	11.3
No. Bags per m ³	96	90	88

Storage

Tecgrout C is a cement based product which should be stored in a dry area off the ground.

Precautions

Where temperatures less than 5°C or greater than 35°C are encountered, contact our Technical Staff for specific advice.

Tecgrout C is non toxic, but it is alkaline in nature. Any contact with eyes or skin should be washed off with clean water. Protective gloves and clothing should be worn.

The use of open bags will reduce the fluidity of the grout. Always use fresh grout in critical applications.

Note

Material safety data sheets for these and all Aitken Freeman products are available on request. Read the MSDS and product label carefully before using. All reasonable care is taken in the compilation of this data sheet. All recommendations regarding use are made without guarantee as the conditions of use are beyond the control of the manufacturer.

Allied Products

Aitken Freeman manufactures a broad range of construction products including.

- Grouts
- Coatings
- Admixtures
- Adhesives
- Sealants
- Floor Toppings
- Floor Levelling Compounds