

PRO GROUT S70 ECO

BRAND/PRODUCT NAME

PROTEC / PRO GROUT S70 ECO

MANUFACTURER

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PRODUCT DESCRIPTION

PRO GROUT S70 ECO is an environmentally friendly cementitious non-shrink grout that is non-corrosive, non-oxidizing and is free of chlorides and nitrates. It is formulated with cement, recycled aggregates and selected chemicals for critical grouting operations. **PRO GROUT S70 ECO** is specially designed for use where high tolerance, high strength and high fluidity are required.

ADVANTAGES

- Factory blended pre-packed ensures high quality product
- Easy mixing and application
- Flow-able and self-levelling
- Excellent compressive strength
- High strength for maximum load bearing
- Fast setting
- Economical – saves time, labour and money
- High performance

USES

PRO GROUT S70 ECO is suitable to use for repairing structural building members such as precast wall panels, under plates, beams and columns and post tensioned grinders. **PRO GROUT S70 ECO** is also widely use for pressure grouting, and extensively as a flowable grout.

INSTALLATION

Surface Preparation

Surfaces receiving **PRO GROUT S70 ECO** must be clean and sound. Remove all dust and any loose materials before commencing works. Thoroughly wet all surfaces and keep substrate in a moist condition during placement. Any stagnant surface water must be removed before application.

Mixing

Use clean potable water of 3.5 to 3.8 litres for dry packing or 4.0 to 4.5 litres for flowable application. Add measured water according to requirement into a clean mixing pail and gradually add a bag of 25kg **PRO GROUT S70 ECO**. Mix with hand held mechanical mixer for approximately 3-5 minutes to a homogenous lump-free consistency.

Application

Place or pour **PRO GROUT S70 ECO** quickly and continuously into the intended area and ensure that the air replaced by grout can easily escape or by using light rodding to eliminate air bubbles. **PRO GROUT S70 ECO** may be placed in thickness up to 50mm at one pour.

After initial hardening of the grout, all exposed areas should be thoroughly cured by means of water application, or under wet burlaps, or by application of PRO range of curing compounds.

PACKAGING

PRO GROUT S70 ECO comes in 25kg bag.

CAUTION

This product contains Portland Cement and Silica Sand. Mix in a well-ventilated area and avoid breathing powder or dust. Use PPE as required. Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling.

**Refer SDS for safety precautions of this product.*

TECHNICAL DATA

Performance Properties:

Test/Test Method	Requirement	Results
Flow Consistency (s) ASTM C939: 2016a	10-30	29.7
Setting Time (mins) ASTM C953: 2017	Initial Set >= 60 Final Set <= 600	300 420
Compressive Strength (N/mm ²) 7 days 28 days ASTM C942: 2015	>70	71 100
Tensile Adhesion Strength (N/mm ²) BS EN 1015-12: 2016	-	≥1.6
Expansion/Shrinkage (%)	<= 0.4% at 3 & 28 days	0.13
Bleeding ASTM C940: 2016		0.0
Yield per bag	0.13m ³ (estimated)	
Pot Life	30-45 mins (depend on weather conditions)	
Shelf Life	Approximately 12 months in factory sealed packaging and should be stored indoor and off the ground in dry area. <i>*High humidity will reduce the shelf life of bagged cementitious product.</i>	



SALES AND TECHNICAL SERVICES

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