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# Granotop

## Prepacked cementitious topping for flooring screeds

### USES

Granotop is a pre-blended cementitious topping for flooring screeds. When used in conjunction with a polymer additive such as Renderprime S, Granotop gives a high strength topping with excellent adhesion and minimal shrinkage.

### BENEFITS

- Excellent adhesion to most substrates when surface is prepared correctly and primed with Renderprime S
- High strength
- Easy application and mixing
- Can be screeded to create falls in drainage areas

### DESCRIPTION

Granotop is supplied as a ready to use, factory prepared, dry powder. Granotop is a blend of Portland cement, graded aggregate and chemical additives which reduce water demand and produce an easily trowelled concrete screed finish.

### TYPICAL PROPERTIES

#### Compressive Strength @25°C

24 Hours -	10 MPa
7 days -	25 MPa
28 Days -	32 MPa

Initial Set -	75 minutes
Final Set -	130 minutes
Pedestrian traffic -	24 hours

### APPLICATION

#### Preparation

All surfaces to which Granotop is to be applied should be clean and sound. Cracked or damaged

concrete should be repaired, and any oil, grease or chemical contamination must be removed prior to application of Granotop.

#### Priming

Prime the concrete using Renderprime S mixed 50% with clean water, just prior to commencing the repairs. Apply the primer with a roller, broom or spray to give an even film over the surface. Porous concrete may require priming a second time to seal the surface.

#### Mixing

Premix 0.8 litres of clean water and 0.8 litres of Renderprime S for use as gauge liquid. Add this (1.6 litres) to the mixing vessel and slowly introduce the Granotop powder while mixing. The addition of excess water will promote bleed and segregate the product, which can result in reduced strength and/or a chalky finish. Mix thoroughly for 3 – 4 minutes using a forced action mixer suitable for mortars. Only mix as much product as can be used within the initial set time.

#### Installation

Screed the freshly mixed mortar over the primed floor to give the required levels or falls. Compact the mortar using a wooden float, and finish to the required standard using either a float or steel trowel. Ensure a constant supply of freshly mixed Granotop to ensure continuity in the screed.

### CURING

On completion of the trowelling operation, exposed areas should be thoroughly cured. This should be done by the use of Pavecure A, a liquid curing membrane.

### CLEANING

Granotop should be removed from tools and equipment immediately after completion using water. Cured material can only be removed mechanically.

## ESTIMATING & SUPPLY

Granotop is supplied in 20kg moisture resistant bags. Coverage is around 20 kg/m<sup>2</sup> @ 10mm.

## STORAGE

Granotop has a shelf life of 12 months if kept in dry store in unopened, sealed bags. If stored in high temperature and/or high humidity locations, the shelf life may be significantly reduced.

## LIMITATIONS

For low temperature working, when the air is 5°C on a falling thermometer, normal precautions for winter working with cementitious materials should be adopted.

At ambient temperatures above 35°C, ensure sufficient labour for applying and trowelling are available to finish the surface to the required standard before the final set has commenced. Good curing is essential under hot and/or windy conditions.

## PRECAUTIONS

Granotop contains cement powders which, when mixed or become damp, release alkalis which can be harmful to the skin. During use, avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. The use of barrier creams provide additional skin protection. In case of contact with the skin, rinse with plenty of clean water, then cleanse with soap and water.

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

**Material Safety Data Sheets (MSDS) are available to users of Aitken Freeman products on request. Please ensure you have read this data sheet, the MSDS, and the product label carefully before first use of any product.**

## TECHNICAL SUPPORT

Aitken Freeman offers a comprehensive range of high quality, high performance construction products. In addition, Aitken Freeman offers technical support to users and specifiers, and can arrange on-site visits to end users and contractors.

## ALLIED PRODUCTS

Aitken Freeman manufactures a broad range of construction products and can supply the following:

- Grouts and anchoring systems
- Epoxy Surface Coatings
- Admixtures for concrete
- Adhesives & Sealants
- Floor toppings
- Floor levelling compounds
- Concrete Repair materials
- Waterproofing solutions

***Refer to Material Safety Data Sheet for precautions and personal protection***

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