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# Levelflow

Self levelling cementitious underlayment for carpet or vinyl

## USES

Levelflow is a cementitious self levelling compound for use as an underlayment for carpet or vinyl. Levelflow is suitable for use at depths of between 0 – 15mm in a single application, and can be feather edged to achieve a smooth finish.

## BENEFITS

- Excellent adhesion to most substrates when surface is prepared and primed with Levelflow Primer
- High strength finish, ideal for underlayment
- Fast setting – final set within 90 minutes
- Easy application and mixing

## DESCRIPTION

Levelflow is supplied as a ready to use, factory prepared, dry powder. Levelflow is a blend of selected cements, polymers and chemical additives which result in a fast setting underlayment with excellent adhesion and negligible shrinkage.

## TYPICAL PROPERTIES

### Compressive Strength @20°C

24 Hours -	12 MPa
7 Days -	20 MPa
28 Days -	25 MPa
Initial Set -	50 minutes
Final Set -	80 minutes

## APPLICATION

### Preparation

All surfaces to which Levelflow 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 Levelflow.

### Priming

Prime the concrete with Levelflow Primer just prior to commencing the application. 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. Best results are achieved when Levelflow is applied just as primer is tacky to touch.

### Mixing

Add the required mixing water (4.0 – 4.2 litres) to the mixing vessel and slowly introduce the Levelflow powder while mixing. The addition of excess water will promote bleed and segregate the product, resulting in reduced strength and 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 Levelflow over the primed floor to give the required thickness. The thickness of any application should be limited to a maximum of 15mm. Feather edging can be achieved along the edges of the repair. Ensure a constant supply of freshly mixed Levelflow to ensure continuity in the application.

PLEASE NOTE: Levelflow is not suitable for use under parquetry or directly adhered timber flooring.

## 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

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

## ESTIMATING & SUPPLY

Levellflow is supplied in 20kg moisture resistant bags. Coverage is around 4m<sup>2</sup> @ 3mm thick. Yield per pag is approximately 12 litres.

## STORAGE

Levellflow 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

Levellflow contains cement powders which, when mixed or become damp, release alkalies 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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