



STOPGAP 1500 AquaPro

High Performance, Water-Mix Smoothing Underlayment

Screed classification: CT-C16-F6 to EN 13813:2002

PRODUCT DATA

INTRODUCTION

STOPGAP 1500 AquaPro is a fast setting, fast drying, water-mix smoothing underlayment suitable for preparing sound internal subfloors prior to the installation of new floorcoverings.

STOPGAP 1500 AquaPro can be applied directly over old adhesive residues such as bitumen and carpet tile tackifiers without the need for priming. STOPGAP 1500 AquaPro can be used for patch filling timber floors prior to overlaying with plywood. It is suitable for use in clinical and biologically sensitive areas such as hospitals, laboratories, clean rooms etc.

STOPGAP 1500 AquaPro is moisture tolerant which makes it suitable for application over damp, clean, uneven concrete and sand/cement screeds, prior to the application of STOPGAP waterproof surface membranes or STOPGAP ISOLATOR MEMBRANE.

STOPGAP 1500 AquaPro can also be applied over other subfloor types including STOPGAP waterproof surface membranes, sand/cement screed, concrete, granolithic, terrazzo, asphalt, steel, old vinyl asbestos tiles, epoxy and polyurethane resins, ceramic and quarry tiles.

COVERAGE

A 20kg bag of STOPGAP 1500 AquaPro Powder mixed with 5.0 litres of water will cover approximately 5.0m² at a thickness of 2 - 3mm.

TECHNICAL INFORMATION

EN 13813 Class Designation	CT-C16-F6	
Working Time @ 20°C	15-20 minutes	
Setting Time @ 20°C	60 minutes	
At 3mm ready to receive most floorcoverings:	From 4 hours	
Compressive Strength N/mm ² (EN 13892-2)	1 Day	>6.0
	7 Days	>10.0
	28 Days	>16.0
Flexural Strength N/mm ² (EN 13892-2)	1 Day	>2.0
	7 Days	>4.0
	28 Days	>6.0
Consumption per mm thickness	1.53 kg / m ²	
Application thickness	Unfilled	2-10 mm
	Filled	Up to 30mm



FEATURES

- Suitable direct to adhesive residues, carpet tile tackifier and waterproof surface membranes, when applied from 2-10mm.
- Moisture tolerant - can be used under STOPGAP waterproof surface membranes
- Fast setting, Fast drying
- Bond floorcoverings from 4 hours
- Protein Free
- Excellent self-smoothing properties

EN 13813:2002

The above standard refers to the properties and performance of the product and the specification to which it has been tested. The data shown confirms the minimum compressive and flexural strengths that the product will achieve.

PACKAGES

20kg lined paper sacks.

HOW MUCH MATERIAL?

APPLIED THICKNESS	COVERAGE PER UNIT	CONSUMPTION PER 100m ² AREA	GRADED AGGREGATE
2-3mm	5.0m ²	20 units	n/a
5mm	2.5m ²	39 units	n/a
10mm	1.3m ²	77 units	n/a
30mm	0.5m ²	175 x powder and 88 x aggregate	

Note. Coverage rates are based on 5.0 litre water addition and will vary according to the condition of the subfloor.

SURFACE PREPARATION

Floor surfaces must be suitably prepared; sound, dry (<75%RH) and free from contaminants that may prevent adhesion. Use STYCCOCLEAN CI40 for removing grease, oil, polish, soap etc. from non-absorbent substrates.

STOPGAP 1500 AquaPro is moisture tolerant and can be applied direct to damp (>75% RH) concrete or sand/cement screed subfloors to pre-smooth prior to the application of STOPGAP waterproof surface membranes.

Concrete and sand/cement screeds must be fully cured and any laitance or surface treatments must be removed. The temperature of the floor must be maintained above 10°C throughout the application and drying of the underlayment. Underfloor heating must be off for at least 48 hours before, during and after application. For detailed information, request the F.Ball Subfloor Preparation Guide.

PRIMING

Absorbent surfaces - Priming is not required.

Very absorbent surfaces can be primed with STOPGAP P131 diluted 1:4 with water to assist in preventing rapid drying, pin holing and to aid the flow and workability.

If using under a DPM onto damp concrete or sand/cement screeds, prime with STOPGAP P131 diluted 1:7 with water, prior to application.

Non-absorbent surfaces – Priming is not required.

Where underfloor heating is present or when applying direct to STOPGAP epoxy waterproof surface membranes laid longer than 24 hours prime with neat STOPGAP P141.

When applied to STOPGAP F78, if the membrane is not covered within 12 hours of curing, a further coat must be applied and allowed to dry before proceeding with the application of the underlayment.

STOPGAP FILL AND PRIME can be used when covering ceramic tiles to mitigate the appearance of grout lines.

Primers should be used in accordance with instructions printed on the bottle and must be allowed to dry before applying the smoothing underlayment.

MIXING

Standard Mix - Add 5.0 litres of clean water into a STOPGAP mixing bucket and gradually add all the powder whilst stirring with a power whisk fitted in an electric drill until a smooth creamy lump-free consistency is achieved. The material should be mixed for a minimum of 2 minutes.

Filled Mix - Add 12.5kg of STOPGAP GRADED AGGREGATE to the prepared standard mix. It is advisable to reduce the level of water to 4.75 litres to prevent separation of the mix.

APPLICATION

Pour the mixed material onto the prepared substrate and allow to flow and attain a smooth finish. Minimal work with a smoothing trowel is required. A spiked roller should be used to eliminate entrapped air and smooth out flow lines to give a more uniform surface appearance. The mixed material should be applied at a thickness between 2mm to 10mm unfilled or up to 30mm filled, but can be taken down to a feather edge if required. For optimum smoothing and levelling characteristics, an overall thickness of at least 3mm should be maintained.

STOPGAP 1500 AquaPro is self-smoothing, but should any imperfections remain they can be removed by rubbing with a carborundum stone when the compound will accept foot traffic – typically 60 minutes after application at 20°C. This time will be extended with reduced temperature i.e. approximately 2 hours at 10°C.

STOPGAP 1500 AquaPro can be pump applied, please contact our Technical Service Department for details.

DRYING

Drying is dependent on the absorbency of the subfloor, ambient temperature and humidity.

On all surfaces, at a nominal 2 - 5mm thickness, the compound will be ready to receive most floorcoverings from 4 hours. At an applied thickness of 6 - 10mm, most floorcoverings can be installed after 24 hours. For thicknesses greater than 10mm and up to 30mm, the drying time will be extended up to 7 - 14 days.

When used to pre-smooth prior to the application of a STOPGAP waterproof surface membrane the underlayment should be left for a minimum of 24 hours before proceeding.

PRECAUTIONS

If applying to asphalt, ensure a minimum application of 3mm and a maximum application of 6mm is used and is applied uniformly. Not suitable for use over adhesive residues beneath surface damp proof membranes or over water softenable adhesive residues - these residues must be fully removed.

TOOLS

Suitable steel smoothing trowel, spiked roller, mixing bucket, electric drill and power whisk.

Wash tools with water immediately after use.

STORAGE

This product must be stored under cover, in unopened bags clear of the ground in cool dry conditions, protected from frost and excessive draught. Dampness will reduce the shelf life and may cause the powder to set in the sack.

SHELF LIFE

6 months in unopened bags and stored under good conditions.

HEALTH & SAFETY ADVICE

This product is classified. Obtain the relevant Safety Data Sheet and follow the advice given. These can be found at www.f-ball.com. Alternatively they can be obtained from the point of purchase or from F. Ball and Co. Ltd. at the address below.

Site conditions vary, to ensure this product is suitable and to confirm this data sheet is current, please contact our Technical Service Department.

For further information about F. Ball products or more detailed technical assistance, please contact:



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