



# STOPGAP GREEN BAG

## General Purpose Floor Smoothing Underlayment

Screed classification: CT-C25-F7 to BS EN13813:2002 with STOPGAP 114 Liquid  
CT-C30-F7 to BS EN13813:2002 with STOPGAP 128 Liquid

## PRODUCT DATA

### INTRODUCTION

**STOPGAP GREEN BAG** is a general purpose, low odour, fast setting smoothing underlayment suitable for use in light to heavy-duty applications for preparing sound subfloors prior to the installation of new floorcoverings. It is suitable for use in clinical and biologically sensitive areas such as hospitals, laboratories, clean rooms etc.

STOPGAP GREEN BAG is suitable for use over absorbent and non-absorbent subfloors and can be used for patch filling timber floors prior to overlaying with plywood.

STOPGAP GREEN BAG is also suitable for application over absorbent uneven concrete and sand/cement screeds, prior to application of STOPGAP Waterproof Surface Membranes or STOPGAP ISOLATOR.

STOPGAP GREEN BAG is dimensionally stable and is supplied as a pre-blended dry powder and liquid which is designed for application between 3 – 20mm.

#### Liquid Selection:

Use STOPGAP GREEN BAG with STOPGAP 114 Liquid over most absorbent and non-absorbent surfaces without the need to prime.

Use STOPGAP GREEN BAG with STOPGAP 128 Liquid over absorbent and non-absorbent surfaces when primed with STOPGAP P131 or P121. See PRIMING for details.

### COVERAGE

A 25kg bag of STOPGAP GREEN BAG powder mixed with 5.0 litres of STOPGAP 114 or 128 Liquid will cover approximately 5.0m<sup>2</sup> at a thickness of 3mm.

### TECHNICAL INFORMATION

STOPGAP LIQUID	114	128
BS EN 13813 Class	CT-C25-F7	CT-C30-F7
Working Time @ 20°C	15 - 20 minutes	
Walk on hardness time @ 20°C	90 minutes	
At 3mm thickness ready to receive floorcoverings over:		
Absorbent surfaces	12 hours	12 hours
Non-absorbent surfaces (Temperature dependent)	24 hours	24 hours
Compressive Strength N/mm <sup>2</sup> (BS EN13892-2)		
1 Day	> 8.0	> 8.0
7 Days	> 15.0	> 20.0
28 Days	> 25.0	> 30.0
Flexural Strength N/mm <sup>2</sup> (BS EN13892-2)		
1 Day	> 2.0	> 3.0
7 Days	> 5.0	> 6.0
28 Days	> 7.0	> 8.0
Consumption per mm thickness	2.01kg/m <sup>2</sup>	2.01kg/m <sup>2</sup>
Application thickness:	Unfilled	3 – 15mm
	Filled	up to 20mm



### FEATURES

- Fast set formula
- Low odour
- Excellent self-smoothing properties
- Suitable for use under STOPGAP Waterproof Surface Membranes
- Use in clinical areas
- Application thickness from 3 – 20mm
- Can be spike rolled

### STANDARDS

STOPGAP GREEN BAG complies to BS EN13813:2002 which 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

Powder - 25kg lined paper sacks.  
Liquid - 5 litre bottles.

### HOW MUCH MATERIAL?

APPLIED THICKNESS	COVERAGE PER UNIT	CONSUMPTION PER 100m <sup>2</sup> AREA	GRADED AGGREGATE
3mm	5.0m <sup>2</sup>	21 units	n/a
5mm	3.0m <sup>2</sup>	34 units	n/a
10mm	1.5m <sup>2</sup>	68 units	n/a
20mm filled mix	1.0m <sup>2</sup>	102 x powder and 51 x aggregate	

Note: Coverage rates are for guidance purposes only 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 C140 for removing grease, oil, polish, soap etc. from non-absorbent substrates.

\* Except when used under 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 5°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** - Prime with dilute STOPGAP P131. In certain situations priming may not be necessary, for example when installing textile floorcoverings. Not priming may cause uncontrolled drying of the underlayment, pin holes and leave a rough surface texture, as well as reducing the products flow and ease of trowelling.

When STOPGAP GREEN BAG is used under STOPGAP Waterproof Surface Membranes; absorbent concrete and sand/cement screeds must be primed with STOPGAP P131 diluted 1:7 with water. Non-absorbent surfaces and power floated concrete must be mechanically treated in accordance with the F. Ball Subfloor Preparation Guide.

For dry (<75% RH) and suitably prepared calcium sulphate screeds, e.g. anhydrite use neat STOPGAP P121.

**Note:** STOPGAP Waterproof Surface Membranes are not suitable for use over calcium sulphate screeds, e.g. anhydrite.

**Non-absorbent surfaces** - Priming of non-absorbent subfloors such as minimal adhesive residues, terrazzo and quarry tiles is not essential when using STOPGAP I14 Liquid. Sound flooring grade asphalt and STOPGAP Waterproof Surface Membranes must be primed with neat STOPGAP P131 to ensure that good adhesion is obtained between the underlayment and substrate.

When using STOPGAP I28 Liquid over non-absorbent subfloors always prime with neat STOPGAP P131.

Primers must be allowed to dry before applying the smoothing underlayment.

## MIXING

**Standard Mix:** Add 5.0 litres of STOPGAP I14 or I28 Liquid 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 liquid to prevent separation of the mix.

Do not add extra liquid or water.

## APPLICATION

Pour the mixed material onto the prepared subfloor and allow to flow and attain a smooth finish. Minimal work with a smoothing trowel is required. The use of a spiked roller will help eliminate entrapped air and smooth out flow lines to give a more uniform surface appearance. The mixed material can be applied at a thickness between 3mm to 20mm, but can be taken down to feathered edge if required. For best results, an overall thickness of at least 3mm should be maintained.

STOPGAP GREEN BAG is self-smoothing, but should any imperfections remain they can be removed by rubbing with a carborundum stone when the underlayment will accept foot traffic - typically 1½ hours after application at 20°C. This time will be extended with reduced temperature i.e. approximately 3 hours at 10°C.

## DRYING

Drying is dependent on the absorbency of the subfloor, ambient temperature and humidity. On absorbent and non-absorbent surfaces the underlayment must be left uncovered for approximately 12 hours and 24 hours respectively, before proceeding with the installation.

## TOOLS

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

## CLEANING

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. When stored correctly, as above, and used within 6 months of the date shown on the packaging, the activity of the reducing agent added will be maintained and this product will contain, when mixed, no more than 0.0002% (2ppm) soluble chromium (VI) of the total dry weight of the cement.

## SHELF LIFE

Powder: 6 months in unopened bags and stored under good conditions.

Liquid: 12 months in unopened bottles.

## HEALTH AND SAFETY ADVICE

STOPGAP GREEN BAG powder is classified under the Chemicals (Hazard Information and Packaging for Supply) Regulations. Obtain the relevant Material Safety Data Sheet and follow the advice given. These can be found at [www.f-ball.co.uk](http://www.f-ball.co.uk) alternatively these 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 confirm this data sheet is current please contact Technical Services Department.

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



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## SAFETY DATA SHEET CEMENTITIOUS POWDERS TYPE A

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	CEMENTITIOUS POWDERS TYPE A
INTERNAL ID	CEMPOWDERA/9
SYNONYMS, TRADE NAMES	STOPGAP GREEN BAG., STOPGAP BLUE BAG., PREPDEK DSU950., STOPGAP RED BAG., STOPGAP 900 POWDER., STOPGAP 1050
APPLICATION	Cementitious flooring product.
SUPPLIER	F.Ball and Co.Ltd., Churnetside Business Park, Station Road., Cheddleton, Staffordshire ST13 7RS For technical and non-emergency call: phone: 01538 361633. For advice on medical emergencies, fires, spillages or chemical hazards phone: +44(0) 870 190 6777 Fax: 01538 361622 E-Mail: mail@f-ball.co.uk

### 2 HAZARDS IDENTIFICATION

Risk of serious damage to eyes.

CLASSIFICATION Xi;R41.

#### ENVIRONMENT

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

#### HUMAN HEALTH

Prolonged contact with wet cement/mixture may cause burns.

When mixed with water or gauging liquid splashes may cause serious eye damage.

This material contains a low level of soluble Chromium VI.

A reducing agent has been added which will, when mixed, reduce the level of soluble Chromium (VI) to no more than 0.0002% (2ppm) of the total dry weight of cement providing the product is stored correctly as indicated in section 7, and used within the recommended shelf life for the product.

Persons with a known sensitivity to Chromium VI would be advised not to use this product.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
CALCIUM ALUMINATES	266-045-5	65997-16-2	1-15%	Xi;R41.
CEMENT		65997-15-1	15-50%	Xi;R41.

The Full Text for all R-Phrases are Displayed in Section 16

#### COMPOSITION COMMENTS

The product is a blend of cements and inorganic aggregates or fillers and may contain calcium carbonate, pulverised fuel ash, ground granulated blast furnace slag and small percentages of additives. The product may contain a low level of respirable crystalline silica.

### 4 FIRST-AID MEASURES

#### INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

#### INGESTION

Rinse mouth thoroughly. Drink plenty of water. Do not induce vomiting. Get medical attention if any discomfort continues.

#### SKIN CONTACT

Remove contaminated clothing. Rinse the skin immediately with lots of water. Get medical attention if any discomfort continues.

**CEMENTITIOUS POWDERS TYPE A****EYE CONTACT**

Immediately rinse with water. Continue to rinse for at least 15 minutes and get medical attention.

**5 FIRE-FIGHTING MEASURES****EXTINGUISHING MEDIA**

The product is non-combustible.

**6 ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Avoid inhalation of dust. Avoid contact with skin and eyes.

**SPILL CLEAN UP METHODS**

Avoid dust formation. Preferably remove spillage with a vacuum cleaner. Collect spillage in containers, seal securely and deliver for disposal as hazardous waste.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Avoid handling which leads to dust formation. Observe good industrial hygiene practices. Do not eat, drink or smoke when using the product.

**STORAGE PRECAUTIONS**

The product must be stored under cover, in unopened bags clear of the ground in cool dry conditions, protected from frost and excessive draught. Keep separate from food, feedstuffs, fertilisers and other sensitive material.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
CALCIUM ALUMINATES	WEL		10 total dust; 4 respirable dust mg/m3			
CEMENT	WEL		10 total dust ; 4 respirable dust mg/m3			

WEL = Workplace Exposure Limit.

**INGREDIENT COMMENTS**

The product may contain a low level of respirable crystalline silica (WEL 0.1 mg/m3; 8 hours TWA).

**ENGINEERING MEASURES**

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of dust.

**RESPIRATORY EQUIPMENT**

Wear respirator if there is dust formation. A half mask dust respirator approved to EN 149 : 2001 FFP2 is recommended. Ensure that the mask fits tightly to ensure an efficient seal.

**HAND PROTECTION**

Use suitable protective gloves if risk of skin contact. Break through times can vary depending on thickness, use and source. Change gloves regularly.

**EYE PROTECTION**

If there is a risk of splashing, wear chemical resistant goggles or visor approved to BS EN166.

**OTHER PROTECTION**

Wear appropriate clothing to prevent repeated or prolonged skin contact.

**HYGIENE MEASURES**

Promptly remove any clothing that becomes wet or contaminated. Wash promptly if skin becomes contaminated.

**PERSONAL PROTECTION**

Always check applicability with your supplier of protective equipment.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Powder, dust		
COLOUR	Grey		
ODOUR	Slight odour		
RELATIVE DENSITY	Variable, depends on packing effects	pH-VALUE, CONC. SOLUTION	High alkaline pH when mixed with water.

# CEMENTITIOUS POWDERS TYPE A

FLASH POINT (°C)

Not Relevant

## 10 STABILITY AND REACTIVITY

**STABILITY**

Stable under normal temperature conditions and recommended use.

## 11 TOXICOLOGICAL INFORMATION

**INHALATION**

Dust in high concentrations may irritate the respiratory system. The product may contain a small percentage of respirable crystalline silica. Prolonged exposure to dust may result in long term irreversible effects

**INGESTION**

Ingestion of small amounts is unlikely to cause a significant reaction. Larger doses may result in irritation to the gastro intestinal tract.

**SKIN CONTACT**

Prolonged or repeated contact with the powder or mixtures with water may cause burns and/or irritant contact dermatitis

**EYE CONTACT**

Risk of serious damage to eyes.

## 12 ECOLOGICAL INFORMATION

**ECOTOXICITY**

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

## 13 DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS**

Small quantities may be mixed with water, allowed to cure fully and disposed of as low hazard waste. Larger quantities should be disposed of as hazardous waste via a licensed waste operator.

**WASTE CLASS**

Hazardous Waste Code for Powder : 160303\*

## 14 TRANSPORT INFORMATION

**GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

**ADR CLASS**

Not classified for transportation.      MARINE POLLUTANT      No.

## 15 REGULATORY INFORMATION

**LABELLING**



Irritant

**RISK PHRASES**

R41      Risk of serious damage to eyes.

**SAFETY PHRASES**

- S24/25      Avoid contact with skin and eyes.
- S26      In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S28      After contact with skin, wash immediately with plenty of water.
- S36/37/39      Wear suitable protective clothing, gloves and eye/face protection.
- S60      This material and its container must be disposed of as hazardous waste.

## 16 OTHER INFORMATION

**GENERAL INFORMATION**

F.Ball and Company Ltd Technical Datasheet.

REVISION DATE: 02/02/09

## CEMENTITIOUS POWDERS TYPE A

### INFORMATION SOURCES

Health and Safety Executive Guidance Note EH40 (amended annually). Workplace Exposure Limits.

### REVISION COMMENTS

Section 8: update

REVISION DATE 02/02/09

REV. NO./REPL. SDS GENERATED 9

### RISK PHRASES IN FULL

R41 Risk of serious damage to eyes.