



# STOPGAP SRS

## Surface Reinforcement System

### PRODUCT DATA

#### INTRODUCTION

STOPGAP SRS is a solvent free, low viscosity, two component epoxy resin reinforcement material designed to quickly stabilise and reinforce poor and weak sand/cement or calcium sulphate screeds, including those containing hot water heating pipes. The product readily fills voids and cracks and binds loose particles resulting from poor installation and curing techniques of screeds.

STOPGAP SRS, in most applications, can negate the need to remove and replace poorly compacted or weak screeds which can be costly and time consuming, especially if the subfloor contains underfloor heating, thereby minimising disruption in the construction programme.

The product may also be used over certain screeds containing high levels of construction moisture or where no effective damp proof membrane is present, prior to the application of STOPGAP F77 Waterproof Surface Membrane (Protocols for the use of STOPGAP F77 must be observed).

An assessment should be made of the screed in question to determine the likelihood of success, as these instructions are for guidance purposes only and may contain information that may be inappropriate for certain sites. Specific information and testing requirements are available upon request from the Technical Service Department.

#### COVERAGE

Coverage will be approximately 3kg/m<sup>2</sup> dependent upon depth and porosity of the screed. Weaker, more porous screeds may require up to 5kg/m<sup>2</sup>.

Coverage rates are best determined by undertaking a small test area to evaluate the condition of the subfloor and help to calculate the quantity of material required.

#### TESTING

In Situ Crushing Resistance (ISCR) - both pre and post installation - can be assessed using the BRE screed tester to BS 8204 where underfloor heating is not present.

The relative humidity (RH) of the subfloor should be checked to see if a waterproof surface membrane is required.

#### TECHNICAL INFORMATION

Pot life of mixed material in container @ 20°C	10 minutes
Working time at 20°C when applied to the subfloor	30 minutes
Setting time at 20°C	12 hours
Drying time (ready to receive further treatments)	2-12 hours
Application rate	3-5kg/m <sup>2</sup>



#### FEATURES

- Penetrates and reinforces weak and friable screeds
- Minimal disruption
- Restore screeds overnight
- Suitable with underfloor heating systems

#### PACKAGES

5kg and 10kg Kit

#### STANDARDS

Surface reinforced screeds can meet BS 8204-1 acceptance limits for In Situ Crushing Resistance (ISCR) Category A.

#### HOW MUCH MATERIAL

PACK SIZE	COVERAGE RANGE
5kg	1 - 1.7m <sup>2</sup>
10kg	2 - 3.4m <sup>2</sup>

## SUBSTRATE PREPARATION

Concrete, sand/cement and calcium sulphate screeds must be free from contamination and surface treatments which will impair the penetration of STOPGAP SRS.

The surface of the screed is to be exposed and all laitance and any previously applied adhesives or smoothing underlayment residues must be completely removed. Thoroughly vacuum the area to remove all dust and debris so as not to impair adhesion and penetration, paying particular attention to any cracks.

The screed base should be between 15 – 25°C. Material applied below 10°C will not cure effectively.

Underfloor heating must be off at least 48 hours before, during and after application.

Concrete, sand/cement and calcium sulphate screeds do not need to be fully dry, however, the penetrating/reinforcing properties of STOPGAP SRS may be reduced. STOPGAP SRS should not be used on calcium sulphate screeds reading above 85% RH.

When used on damp subfloors, STOPGAP F77 waterproof surface membrane should be applied once the STOPGAP SRS has cured and within 24 hours of the STOPGAP SRS being applied.

## APPLICATION

1. Pour all the hardener into the resin and thoroughly mix for 2-3 minutes using a slow speed electric whisk, scraping the sides and bottom of the container during mixing with a clean wooden stick. Poorly mixed material will not cure.

2. Clean kiln dried sand may be mixed with the material to fill voids and cracks that are wider than 2mm. The addition of sand should still allow a pourable consistency, enabling the material to properly fill the void or crack.

3. Immediately after mixing, pour the contents onto the floor and spread out with a soft rubber squeegee. Work the material into the floor, paying special attention to where the material is readily soaking into the floor. Further coats may be required until a point is reached where no more material is being absorbed.

4. Where the subfloor is damp, apply STOPGAP F77 waterproof surface membrane directly to the cured surface within 24 hours of the application. Where underfloor heating is present, STOPGAP F77 should only be applied up to a maximum 90% RH.

5. Prime the cured surface with neat STOPGAP PI31 prior to the application of all underlayments. This will ensure that good adhesion is obtained between the substrate and underlayment. The primer should be used in accordance with instructions printed on the bottle and must be allowed to dry before applying the appropriate smoothing underlayment.

6. If STOPGAP I200 PRO is being used, this can be applied directly to the cured STOPGAP F77, without priming, providing this is done within 24 hours of the membrane curing.

## PRECAUTIONS

Once mixed, STOPGAP SRS will generate a significant amount of heat in the container. It is important to apply the mixed material to the subfloor immediately. Do not allow mixed material to stand in the container for more than 10 minutes at 20°C - doing this will result in the material heating up rapidly. Should this occur, the container should be removed to fresh air, allowed to cool and, once cured, disposed of accordingly.

If stored at temperatures above 20°C, the mixed pot life will be reduced.

Do not fill movement joints with STOPGAP SRS - these joints must be filled with a suitable impervious flexible jointing compound.

STOPGAP SRS is only suitable for use on slabs where no further movement is anticipated.

STOPGAP SRS should not be used as a substitute for a waterproof surface membrane.

STOPGAP SRS is not intended as a general primer for damp calcium sulphate screeds prior to the application of STOPGAP waterproof surface membranes.

## TOOLS

Soft rubber squeegee, electric drill and power whisk.

Clean tools with F. Ball STYCCOWIPES 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

24 months

## HEALTH & SAFETY ADVICE

STOPGAP SRS is classified. Obtain the relevant 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 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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