

DEEP BASE

FLOOR LEVELLING COMPOUND



PROFESSIONAL FLOORING PRODUCTS
FOR THE MASTER TRADESMAN

SETCRETE™ DEEP BASE FLOOR LEVELLING COMPOUND

a high strength, high performance, low odour floor levelling compound that complies with GEV-EMICODE® EC1^{PLUS} - Very low emission standard. It is designed to raise floor levels and to smooth uneven floors eg. in conservatories and extensions.



- APPLICATION THICKNESS FROM 5-50MM
- EXCELLENT SELF-LEVELLING AND FLOW PROPERTIES
- WALK ON HARD FROM 90 MINUTES
- FAST DRYING - LAY FLOORCOVERINGS FROM 6 HOURS



SETCRETE™ DEEP BASE is designed to raise floor levels quickly and economically and for smoothing uneven floors - in light to heavy-duty internal applications. The versatility of the product allows for application between 5 - 50mm in one application.

SETCRETE™ DEEP BASE utilises the latest fast drying cement technology to achieve a walk-on time of as little as 90 minutes. It produces a stronger and less friable surface than traditional sand/cement screeds and, as it is a water mix, it offers the advantages of being economical and latex free.

SETCRETE™ DEEP BASE is suitable for use over a wide range of subfloor types including sand/cement screed, concrete, granolithic, terrazzo, epoxy and polyurethane resins, ceramic and quarry tiles.

As a guide for the use of products from the **SETCRETE™** range, see Selector Chart overleaf.

Standards

The product complies to the standard BS EN13813 and refers to the specification to which it has been tested. The data shown confirms the minimum compressive and flexural strengths that the product will achieve.

The product complies with the standards set by GEV EMICODE® EC1^{PLUS} - very low emission.

Technical Information

BS EN 13813 Class Designation		CT-C30-F7
Working Time @ 20°C		20 - 30 minutes
Walk on hard time @ 20°C		from 90 minutes
Ready for ceramic and textile floorcoverings		from 6 hours
Compressive Strength N/mm ² (BS EN13892-2)	1 Day	>15.0
	7 Days	>25.0
	28 Days	>30.0
Flexural Strength N/mm ² (BS EN13892-2)	1 Day	>2.0
	7 Days	>5.0
	28 Days	>7.0
Application thickness		5-50 mm

Coverage

Approximate coverage rates for a 20kg unit are as follows:

THICKNESS	WATER MIX	COVERAGE
5mm	3.4 litres	2.20m ²
10mm	3.4 litres	1.10m ²
15mm	3.4 litres	0.73m ²
20mm	3.2 litres	0.54m ²
50mm	3.2 litres	0.21m ²

Note: Coverage rates for 5-15mm are based on 3.4 litre water addition and for 16-50mm are based on 3.2 litre water addition. These figures will vary according to the condition of the subfloor.

Packaging

20kg lined paper sacks



Preparation

Floor surfaces must be suitably prepared: sound, dry - less than 75% Relative Humidity (less than 65% Relative Humidity for wood floor installations) and free from contaminants that may prevent adhesion. 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 levelling compound. Underfloor heating must be switched off for at least 48 hours before, during and after application. Subfloors must incorporate an effective damp proof membrane and conform to the requirements of relevant BS standards for flooring installation.

Priming

Floors should be primed to ensure good adhesion between the levelling compound and the substrate providing a higher quality finish. Priming also helps to prevent pinholing and rapid drying of the levelling compound. Primers must be allowed to dry completely before applying the levelling compound. Care should be taken not to contaminate the primed subfloor.

Absorbent surfaces

Prime with SETCRETE™ ACRYLIC PRIMER, diluted with 4 part water to prevent rapid drying of the levelling compound.

Non-absorbent surfaces

Prime with undiluted SETCRETE™ ACRYLIC PRIMER

Mixing

Gradually add 1 unit of SETCRETE™ DEEP BASE Floor Levelling Compound to 3.4 litres of clean water in a clean mixing bucket. When applying at thicknesses between 16 - 50mm reduce the water to 3.2 litres. Mix with a power whisk fitted to an electric drill until a smooth creamy lump free consistency is achieved. The material should be mixed for a minimum of 2 minutes. Do not add further water. Do not mix more material than can be applied in 20 minutes.

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 mixed material should be applied at a thickness between 5 - 50mm in one application.

Working Time

Approximately 20-30 minutes at 20°C depending on subfloor absorbency, ambient temperature and humidity.

Setting Time

SETCRETE™ DEEP BASE can be walked on from 90 minutes, depending upon applied thickness, subfloor absorbency and ambient conditions, but typically will be no more than 3 hours.

Drying Time

Ceramic and textile floorcoverings can be installed after a minimum 6 hours at 20°C irrespective of applied thickness. If resilient (vinyl/PVC, rubber or linoleum) coverings are to be installed, for applied thicknesses of up to 10mm, allow 24 hours for the compound to dry. Above this depth, we would recommend the base compound is capped with a minimum 3mm of SETCRETE™ FLEXIBLE FLOOR LEVELLING COMPOUND. This can be done as soon as the material is set to foot traffic. Floorcoverings can then be installed from a further 24 hours.

Tools

Suitable smoothing trowel, clean mixing bucket, measuring bucket, power whisk, electric drill. Clean tools in water immediately after use.

Storage

Store in unopened bags, clear of the ground in cool, dry conditions. Protect from frost and excessive draught and use within 6 months of the date stamped on the bag.

Health and Safety Advice

This product is not 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.setcrete.co.uk alternatively these can be obtained from the point of purchase or from F. Ball and Co. Ltd. at the address below.

SETCRETE™ Range Selector Chart

	UNIVERSAL	DEEP BASE	FLEXIBLE
General Light-Duty Areas	✓	✓	✓
Conservatories / Heavy-Duty Areas		✓	✓
Over Plywood			✓
Application Thickness (mm)	3-6	5-50	2-15*

*Maximum 10mm on Plywood

For further information or technical assistance about SETCRETE™ products and to confirm this data sheet is current, please contact Technical Service Department

www.setcrete.co.uk