

DEEP BASE

FLOOR LEVELLING COMPOUND



TRADE QUALITY YOU CAN TRUST

SETCRETE™ DEEP BASE FLOOR LEVELLING COMPOUND

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



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



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 absorbent subfloor types including sand/cement screed and concrete. It is also suitable for use over non-absorbent subfloors such as ceramics, granolithic, terrazzo, epoxy and polyurethane resins, ceramic and quarry tiles, providing they are sound, well adhered and suitably prepared.

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

Standards

The product complies to the standard EN13813:2002 and refers to the specification to which it has been tested.

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

Technical Information

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 (EN13892-2)	1 Day >15.0 7 Days >25.0 28 Days >30.0
Flexural Strength N/mm ² (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 as follows:

THICKNESS	WATER MIX	COVERAGE
5mm	3.4 litres	2.15m ²
10mm	3.4 litres	1.05m ²
15mm	3.4 litres	0.70m ²
20mm	3.2 litres	0.50m ²
50mm	3.2 litres	0.20m 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 to promote adhesion.

Mixing

Gradually add 1 bag 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.

SETCRETE™ Range Selector Chart

	UNIVERSAL	LATEX	DEEP BASE	HIGH PERFORMANCE	RAPID SET 30	2K PRO	LEVEL-SMART	EXTERIOR
General/Light-Duty Areas	✓	✓	✓	✓	✓	✓	✓	✓
Medium-Duty Areas		✓	✓	✓	✓	✓	✓	✓
Conservatories/Heavy-Duty Areas			✓	✓	✓	✓	✓	✓
Over Plywood				✓				
Over Adhesive Residues						✓	✓	
+ Over Underfloor Heating		✓	✓	✓	✓	✓	✓	
Exterior Use								✓
Application Thickness (mm)	3-6	2-10	5-50	2-15*	2-10	2-30**	2-30**	5-50**
Moisture Tolerant/Use Beneath DPM						✓	✓	✓
Prime with SETCRETE™ Acrylic Primer	✓	✓	✓	✓	✓			✓

*Minimum 5mm when used as a wearing surface/Maximum 10mm when used on plywood. **See datasheet for filled mix information.
+ SETCRETE™ DEEP BASE is suitable over electric UFH systems and heated screeds. It is not suitable for encapsulating water-fed UFH systems.

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™ HIGH PERFORMANCE 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. Obtain the relevant Safety Data Sheet and follow the advice given.

These can be found at www.setcrete.co.uk alternatively they can be obtained from the point of purchase or from F. Ball and Co. Ltd. at the address below.

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

F. Ball and Co. Ltd.

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