

LEVEL-SMART

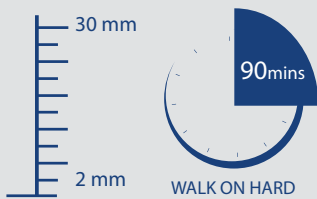
FLOOR LEVELLING COMPOUND



TRADE QUALITY YOU CAN TRUST

SETCRETE™ LEVEL-SMART FLOOR LEVELLING COMPOUND

A high performance, fast setting, fast drying floor levelling compound. The product is low odour and complies with GEV-EMICODE® EC1^{PLUS} – very low emission standard.



- SUITABLE DIRECT TO ADHESIVE RESIDUES
- APPLICATION THICKNESS FROM 2–30MM
- FOOT TRAFFIC FROM 90 MINUTES
- BOND FLOORCOVERINGS FROM 4 HOURS
- EXCELLENT SELF-LEVELLING PROPERTIES
- NO NEED FOR A PRIMER



SETCRETE™ LEVEL-SMART is designed for preparing sound internal subfloors prior to the installation of new floorcoverings and can be applied at thicknesses from 2-30mm. It is particularly suitable for direct application over old adhesive residues (such as bitumen and carpet tile tackifiers) without the need for priming. Its fast setting characteristics enable a walk-on time of just 90 minutes and new floorcoverings can be installed from 4 hours.

SETCRETE™ LEVEL-SMART is suitable for use over a wide range of other subfloor types including sand/cement screeds, concrete, granolithic, terrazzo, asphalt, steel, epoxy and polyurethane resins, ceramic and quarry tiles.

Standards

The product complies to the standard EN 13813:2002, and refers to the minimal flexural and compressive strengths to which it has been tested.

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

Coverage

Approximate coverage rates for a 20kg unit as follows:

THICKNESS	COVERAGE
2mm	6.35m ²
5mm	2.55m ²
10mm	1.25m ²
30mm (filled)	0.55m ²

Note: Figures will vary according to the condition of the subfloor.

Packaging

20kg lined paper sacks

Technical Information

EN 13813 Class Designation		CT-C12-F5
Working Time @ 20°C		15-20 minutes
Walk on hard time @ 20°C		from 90 minutes
Ready to receive floorcoverings (temperature dependent)		from 4 hours
Compressive Strength N/mm ² (EN13892-2)		1 Day >6.0 7 Days >10.0 28 Days >12.0
Flexural Strength N/mm ² (EN13892-2)		1 Day >2.0 7 Days >4.0 28 Days >5.0
Application thickness	Unfilled	2–10 mm
	Filled	Up to 30mm



Preparation

Floor surfaces must be suitably prepared: sound, dry (less than 75% Relative Humidity) 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 10°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 prevent pinholing and rapid drying of the levelling compound. Primers must be allowed to dry before applying the levelling compound. Care should be taken not to contaminate the primed subfloor.

Absorbent surfaces

In certain situations priming may not be necessary, for example, when installing textile floorcoverings. However, we would recommend priming with SETCRETE™ ACRYLIC PRIMER diluted 4:1 with water to prevent uncontrolled drying of the levelling compound, pin-holing and to aid the flow and workability.

*Prior to application onto damp concrete or sand/cement screeds prime with SETCRETE™ ACRYLIC PRIMER diluted 1:7 with water.

Non-absorbent surfaces

Priming of sound flooring grade asphalt, firmly bonded adhesive residues, terrazzo and quarry tiles is not essential. SETCRETE™ RAPID SET DPM should be primed with neat SETCRETE™ ACRYLIC PRIMER prior to the application of SETCRETE™ LEVEL-SMART.

Mixing

Add 5.0 litres of clean water into a clean mixing bucket and gradually add all the powder whilst stirring 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. For thicknesses greater than 10mm and up to 30mm, add 12.5kg of dry 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

Immediately 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. A spiked roller should be used to eliminate entrapped air and smooth out flow lines to give a more uniform appearance. The mixed material should be applied at a thickness between 2-10mm unfilled or up to 30mm filled, but can be taken down to a feather edge if required. Do not leave the mixed material to stand in the bucket as this will significantly reduce the working time of the product.

Working Time

Approximately 15-20 minutes at 20°C depending on subfloor absorbency, ambient temperature and humidity.

Setting Time

Walk on time is typically 90 minutes.

Drying Time

Drying is dependent upon the absorbency of the subfloor, ambient temperature and humidity. At a 3mm thickness the floor levelling compound is ready to receive new floorcoverings from 4 hours.

Tools

Suitable smoothing trowel, clean mixing bucket, measuring bucket, spiked roller, 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 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.

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™ LEVEL-SMART is suitable over electric UFH systems and heated screeds. It is not suitable for encapsulating water-fed UFH systems.

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

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