

# HIGH PERFORMANCE

## FLOOR LEVELLING COMPOUND AND WEARING SURFACE



TRADE QUALITY YOU CAN TRUST

### SETCRETE™ HIGH PERFORMANCE FLOOR LEVELLING COMPOUND AND WEARING SURFACE

A fibre reinforced, flexible, fast drying floor levelling compound and wearing surface for use over plywood subfloors as well as concrete and sand/cement screeds. The product is low odour and complies with GEV-EMICODE® EC1<sup>PLUS</sup> – very low emission standard.



- APPLICATION THICKNESS FROM 2–15MM\*
- SELF-LEVELLING FLOOR COMPOUND FOR SMOOTHING OUT PLYWOOD OR UNEVEN CONCRETE FLOORS
- FAST DRYING – LAY FLOORCOVERINGS FROM 6 HOURS
- DRIES TO A SMOOTH FINISH
- USE AS A WEARING SURFACE



**SETCRETE™ HIGH PERFORMANCE** is suitable for use over a wide range of absorbent subfloor types including plywood, sand/cement screed and concrete. It is also suitable for use over non-absorbent subfloors such as granolithic, terrazzo, epoxy and polyurethane resins, ceramic and quarry tiles. The versatility of the product allows for application between 2–10mm on plywood and up to 15mm on concrete. Wearing surfaces should be a minimum of 5mm thickness.

SETCRETE™ HIGH PERFORMANCE is also suitable for upgrading and renovating new and existing internal floors in light duty internal applications where floorcoverings are not required.

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<sup>PLUS</sup> – very low emission.

#### Technical Information

EN 13813 Class Designation	CT-C25-F7-AR1
Working Time @ 20°C	20-30 minutes
Walk on hard time @ 20°C	1-2 hours
Ready for ceramic and textile floorcoverings @ 20°C	6 hours
Compressive Strength N/mm <sup>2</sup> (BS EN13892-2)	1 Day >10.0 7 Days >15.0 28 Days >25.0
Flexural Strength N/mm <sup>2</sup> (BS EN13892-2)	1 Day >3.0 7 Days >5.0 28 Days >7.0
Application thickness	2-15 mm

#### Coverage

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

THICKNESS	COVERAGE
2mm	5.85m <sup>2</sup>
3mm	3.90m <sup>2</sup>
5mm	2.30m <sup>2</sup>
10mm	1.15m <sup>2</sup>
15mm	0.75m <sup>2</sup>

**Note:** These figures will vary according to the condition of the subfloor.

#### Packaging

20kg lined paper sacks.



## Preparation

Plywood should be a minimum thickness of 6mm and comply with EN314 - 2:1993 Plywood - Bonding Quality Class 3 Exterior Conditions. It must be screw fixed in accordance with BS 5325 and BS 8203. 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 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

Prime with SETCRETE™ ACRYLIC PRIMER, diluted with 4 parts 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™ HIGH PERFORMANCE Floor Levelling Compound to 4 litres of clean water in a clean mixing bucket. 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 of 2–15mm in one application. Wearing surfaces require a minimum 5mm thickness.

## Working Time

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

## Setting Time

Walk on time is typically 1-2 hours at 20°C.

## Drying Time

On absorbent subfloors, 6 hours at 20°C. The compound should be left for a minimum of 12 hours prior to installing resilient floorcoverings.

When used as a wearing surface in areas where water or other fluids may come into direct contact with product, the surface must be sealed. Contact Technical Service for details.

## 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](http://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	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™ HIGH PERFORMANCE 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.**

F. Ball and Co. Ltd.

Churnetside Business Park, Station Road, Cheddleton, Leek, Staffordshire. ST13 7RS, United Kingdom.

Tel: +44 (0) 1538 361633, Email: [contact@setcrete.co.uk](mailto:contact@setcrete.co.uk)

[www.setcrete.co.uk](http://www.setcrete.co.uk)