

TECHNICAL DATA SHEET

SELF LEVELLING FLOOR COMPOUND

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Description:

Self Levelling Floor Compound is a cement based self-smoothing underlayment designed for use as a levelling compound. Self Levelling Floor Compound is a blend of cements, fine silica sand and other additives designed to improve the setting and adhesion characteristics of the material.

Uses:

Self Levelling Floor Compound is used to level uneven but sound floors and screeds prior to laying tiles, lino, carpets etc.

Self Levelling Floor Compound is **NOT** suitable for external use or as a wearing surface.

Advantages:

Self Levelling Floor Compound is a pre-mixed quality controlled material, which is mixed to the required consistency by adding water. Self Levelling Floor Compound does not require the addition of polymer latex. The underlayment is more cost effective than most epoxy or other resin systems. Self Levelling Floor Compound sets within 3 hours and can take pedestrian traffic in approximately 6 hours. Tiles or carpets can be laid on Self Levelling Floor Compound after approximately 24 hours.

Mixing:

Thorough mixing of Self Levelling Floor Compound with water is essential and the best results are achieved by using electrically driven mixers. Small volumes can be mixed by hand, ensuring that containers and paddles are clean and free from oil or grease. Gradually add the powder to the water making sure that it is continuously mixed to give a uniform liquid consistency; this is achieved with a wsr of 0.2 (5 litres of clean water per 25kg bag). Mixing water should be potable and comply with the requirements of BS EN 1008 (as for concrete). Do not mix more Self Levelling Floor Compound than can be used in 15 minutes.

Installation:

It is necessary to provide adequate ventilation in the work area but windows and openings must be closed sufficiently to avoid draughts during and after application. Floor and indoor temperatures must exceed 6°C and for one week after the application. The relative humidity of the concrete floor must not exceed 95%.

Application:

Good surface preparation and curing are essential to provide optimum results. All debris, dust, oils etc. must be removed in order to ensure good adhesion to the substrate. Pour a small quantity of the underlayment onto the prepared surface and trowel in lightly, follow immediately with further coatings to the required thickness. Very porous surfaces may need pre-dampening or sealing prior to applying underlayment. Do not use on permanently damp floors. Self Levelling Floor Compound can be laid to a minimum thickness of 1.0mm and a maximum thickness of 5mm. As with all cement based materials, the setting time and strength development of Self Levelling Floor Compound is affected by temperature and it is recommended that the underlayment is not used below 15°C in critical application. Self Levelling Floor Compound should not be used in temperatures below 5°C. Do not over trowel the underlayment. Where greater adhesion to the substrate is required, Self Levelling Floor Compound can be mixed with SBR and Acrylic latexes.

Typical Performance:

When mixed at wsr 0.2 (5 litres per 25kg bag) the following properties were obtained at 20°C.

Fresh Properties

Pot life – 15 minutes (temperature dependant)

Hardened Properties:

Compressive Strengths N/mm²

4 hrs – 1.0)	
1 day – 3.0)	EN196
7 days – 14.0)	Mortar Prisms
28 days – 30.0)	

Note: Working time is dependent on environmental conditions such as air and ground temperatures, humidity, wind speed etc.

Yeild:

1 tonne of Self Levelling Floor Compound will produce approximately 0.59m³ of underlayment when mixed at a wsr of 0.2. The equates to 118m² when laid 5mm thick and 236m² when laid 2.5mm thick.

Packaging and Storage:

Self Levelling Floor Compound is available in 20kg paper sacks and can be palletised using timber pallets and can also be shrink wrapped. Self Levelling Floor Compound should be stored in cool dry areas clear of the ground, sheeted or under cover and stacked not more than two pallets high. The product should be used on a first in-first out basis.

Shelf Life:

Shelf life in minimum 3 months when properly stored, but could be in excess of 6 months subject to temperature and humidity.

Health & Safety:

Please refer to health & safety data sheet on Self Levelling Floor Compound.

Further Information:

In the event of further queries or problems concerning the use of this product, please contact the address below, e-mail info@cromar.uk.com or telephone our Technical Line on 0844 8588186:

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