

# Technical Data Sheet

Date of compilation: 11/08/2021

## LATEX / SELF-LEVEL FLOOR LEVELLING COMPOUND

### DESCRIPTION

LATEX SELF-LEVEL COMPOUND is a 2-part latex floor smoothing underlayment.

It is manufactured from a controlled blend of special sands, cements and synthetic polymers to give a high quality flooring product which is practically self-levelling and smoothing.

LATEX SELF-LEVEL COMPOUND can be used to prepare most rigid surfaces prior to the installation of floor coverings such as vinyl, carpet and ceramic floor tiles.

LATEX-SELF-LEVEL can be used on sub floors such as sand/cement screed, concrete, correctly prepared wooden floors, over underfloor and under tile heating, flooring grade asphalt and floors with minor adhesive residue contamination.



SELF-LEVEL FLOORING COMPOUND, a cement-based, protein-free, sub-floor smoothing underlayment, giving a consistently level screed from a feather-edge up to 8mm thick. SELF-LEVEL FLOORING COMPOUND incorporates specially blended cements, graded sands and organic super-plasticisers, which with the addition of water, give the ideal properties for application to masonry based floor surfaces such as tamped or worn concrete and sand/cement floor screeds. On non-porous floors such as asphalt, plywood and painted surfaces, the self leveling compound powder should be mixed with floor latex screed rather than water to give improved adhesion to the substrate and enhanced abrasion and point-load resistance.

### SURFACE PREPERATION

The receiving surface must be hard, sound and free from grease, dust and loose deleterious materials such as worn surface coatings, plaster and adhesive residues. Ground floor surfaces must be protected with an effective DPC membrane and new concrete slabs must be at least 4 to 6 weeks old before they are ready to receive SELF-LEVEL FLOORING COMPOUND. Non-porous surfaces must be thoroughly clean and free from oil, grease and bituminous residues, whilst porous surfaces (concrete or sand/cement screeds) will require priming with tillers primer diluted at 1 part primer to 3 parts water. Very porous surfaces (old / worn concrete) should be dampened with water to reduce suction prior to priming and laying the leveling compound. Surfaces where there is sub-floor heating will require SELF-LEVEL COMPOUND to be mixed with FLOOR LATEX ADMIXTURE and the heating

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source to be switched at least 24 hours before application and then for a further 28 days after. On sections where the floor level is more than 8mm below the final level, it is possible for small section repairs of the surface to be made by mixing the SELF-LEVEL FLOORING COMPOUND with coarse dry 3mm sand chippings at a 1 to 1 ratio before mixing with water to a mortar patching consistency and filling out the depression up to the general level of the rest of the floor. When this is complete and set, the final smooth leveling compound can then laid over all areas to give an even consistent finish.

### MIX PREPERATION

SELF-LEVEL FLOORING COMPOUND, depending upon the surface type, should be added to water, or FLOOR SCREED LATEX in a clean container whilst mechanically stirring with a high-speed paddle to give smooth, consistent and readily pourable levelling slurry. When using FLOOR SCREED LATEX mix the full bottle (5litres) with a full 20kg bag of SELF-LEVEL COMPOUND and mix thoroughly to yield smooth, flowing lump-free slurry. Do not add more water than is recommended, as this may prolong drying, lead to surface dusting and significantly reduce the compressive strength of the hardened screed. Part-used leveling compound should never be "freshened up" with later water additions, but should always be discarded once it appears to lose workability.

### APPLICATION METHOD

Pour the freshly mixed leveling compound onto the prepared surface and use a straight edged steel float to ensure the compound is evenly spread into all areas and corners. The SELF-LEVEL FLOORING COMPOUND will flow and smooth out trowel marks for about 15 to 20 minutes before it begins to firm up.

The optimum application thickness for this product is 3mm, but depths up to 8mm can be achieved. In ideal conditions (20°C), SELF-LEVEL FLOORING COMPOUND will remain flowable for 20 minutes and then reach final set after about 2 – 3 hours. After about 45 mins to 1 hour, the screed will have reached initial set, but can still take further finishing with a firmly applied steel float to remove any slight irregularities and flow-lines.

### COVERAGE

For a 3mm deep screed SELF-LEVEL FLOORING COMPOUND will cover at a rate of 5kg per sq. metre. SELF-LEVEL FLOORING COMPOUND is not recommended as a final wearing surface and should not be left exposed for more than a few days, before being over-laid with tiles, vinyl floor-covering or a suitably rated protective surface coating.

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### PROPERTIES

Property	Value
FORM	Grey Granular Powder / Milky white liquid
MAXIMUM AGGREGATE SIZE	8mm
HAZARD INFORMATION	IRRITANT – Consult Safety Datasheet before use
CLEANING	Clean tools, equipment, etc. using warm water
MIX RATIO	1 bottle per 20kg bag
APPLICATION TEMPERATURE	+5°C to +30°C
WORKING TIME	Approx. 30 minutes
TIME TO TRAFFIC: (depending on site conditions)	Light Foot Traffic - After 2-4 hours Full Traffic - After 1-2 days Covering - After 1-2 days
BED THICKNESS	Up to 8mm
<b>PERFORMANCE INFORMATION</b>	
SCREED STRENGTH CLASS (EN 13813)	CT – C16 – F4
SCREED COMPRESSIVE STRENGTH (EN 13813)	20 MPa
SCREED FLEXURAL STRENGTH (EN 13813)	5 Mpa

### STORAGE & PACKAGING

Store in a dry place, protected from extreme temperatures. SELF-LEVEL FLOORING COMPOUND is supplied in 20kg moisture resistant bags and has a shelf life of 6 months if stored in dry, un-opened conditions. LATEX ADMIXTURE is supplied in 5L bottles for mixing directly with SELF-LEVEL FLOORING COMPOUND as one 5L bottle per 20 kg bag.

### HEALTH & SAFETY

SELF-LEVEL FLOORING COMPOUND contains Portland cement and is therefore classified as irritating to eyes and skin. Consult the relevant material safety data sheet for advice on handling and safety procedures.

### NOTE

All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Full information and advice is freely available from our Technical Services Department e-mail [technical@arcbuildingproducts.ie](mailto:technical@arcbuildingproducts.ie). Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.