

LEVELLING COMPOUND

50MM FLEXIBLE LEVELLING COMPOUND



- Fibre reinforced
- Flexible
- 3-50mm
- Suitable for heated floors
- Traffic after 4 hours
- Excellent wear resistance
- Ideal for vinyl floor coverings

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DESCRIPTION

Cliftonite 50mm Flexible Levelling Compound is a single part; fibre reinforced self-smoothing floor underlayment. It is suitable for use from 3mm to 50mm in one application without the need for additional granite chippings. The product is suitable for levelling a variety of substrates including concrete, screed, flooring grade asphalt, terrazzo and existing quarry and vinyl tiles. It is ideal for use with undertile heating mats where it may be used to cover the wired elements, providing a level substrate to tile to and also protecting the heating elements during the fixing process.

The product is also suitable for use on rigidly secured Tile Backer boards or timber floors which must be overlaid with a minimum 15-18mm thick WBP or Marine grade plywood screw fixed at maximum 300mm centres to both joists and existing boards. The product is also suitable for use on rigidly secured Tile Backer boards or timber floors which must be overlaid with a minimum 15-18mm thick WBP or Marine grade plywood screw fixed at maximum 300mm centres to both joists and existing boards. Plywood should be primed with Cliftonite Multi-Purpose Primer diluted 1:1 with water, which should be allowed to dry prior to application of the levelling compound. It is essential to ensure that the floor is sufficiently rigid and deflection free to support the additional weight of tiling before commencing.

The excellent levelling and flow properties of the product make it ideal for preparing sub floors prior to fixing ceramic or natural stone tiles or soft floor coverings such as carpet, vinyl and timber. It has a setting time of 4 hours at 20°C permitting early foot traffic and fast track tile fixing.

7 day Compressive strength: 25N/mm²
28 day Compressive strength: 35N/mm²
7 day Flexural strength: 7.5N/mm²
28 day flexural strength: 9N/mm²

PREPARATION

All surfaces should be dry, clean and free from any release agents, which should be mechanically removed. All ground floors should incorporate a damp proof membrane. Dusty or porous surfaces should be primed with Cliftonite Multi-Purpose Primer diluted 1:4 with water. For impervious backgrounds a slurry bonding coat made of 1 part Cliftonite Multi-Purpose Primer to 2 parts Cliftonite 50mm Flexible Levelling Compound should be applied to the substrate using a soft brush. Once dry the slurry will provide a key coat onto which the Levelling Compound will form a strong bond.

SETTING OUT

To gauge the floor to be levelled use a 2m straightedge and rotate through 360° noting where any gaps are present between the base

and straightedge. Any gaps above 3mm should be chalk marked. In the case of more serious deviations in levels, countersunk screws should be drilled and plugged into the floor at 500mm centres. The screws can be lined up and adjusted to the correct height by placing the straightedge and spirit level across them to achieve plumb markers up to which the compound can be screeded.

MIXING

In to a clean bucket add 4.0 to 4.4 litres of water and slowly add the 20kg of Cliftonite 50mm Flexible Levelling Compound. Mix with a rotary drill paddle to form a creamy lump free consistency.

APPLICATION

Pour the compound onto the floor and trowel out to the desired depth. The product is self smoothing.

The compound has a pot life of approximately 20 minutes which will be reduced at high temperatures and extended in cool conditions. Do not use below 5°C.

Ceramic/porcelain tiles can be laid as soon as the product supports weight, i.e. after approximately 4 hours. Natural stone may be laid after 24 hours and soft floor coverings after 48 hours.

Undertile heating systems should not be switched on for at least 14 days and then brought up to operating at a rate of 2°C per 24 hours.

COVERAGE

Cliftonite 50mm Flexible Levelling Compound mixed with 4.4 litres of water will cover approximately 1.7kg/m² per 1mm thickness, i.e. 4mm thick = 1.7 x 4 = 6.8kg/m², therefore a 20kg bag will cover approximately 3m² (20/6.8).

STORAGE

Store in dry internal conditions away from direct sunlight between 5°C to 25°C. The product has a 12 month shelf life from date of manufacture.

TECHNICAL ADVICE

For advice on tile installation products call our Technical helpline on 0151 336 9104.

HEALTH AND SAFETY

CONTAINS CHROMIUM VI
DANGER



Causes skin irritation. Harmful if swallowed. Causes serious eye damage. May cause respiratory irritation. Keep out of reach of children.

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Avoid breathing dust. Wear protective gloves and eye protection. Wash hands thoroughly after handling. IF SKIN IRRITATION OCCURS: Get medical advice/attention. IF SWALLOWED: Call a poison centre or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison centre or doctor/physician. Dispose of contents/container in accordance with local/regional regulations. Repeated exposure may cause skin dryness and cracking. Contains Chromium (VI). May produce an allergic reaction. To avoid risks to human health and the environment, comply with instructions for use. Safety data sheet is available on request.

REFER TO PRODUCT AND SAFETY DATA SHEET FOR FULL DETAILS.

		
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Screed materials and floor screeds EN 13813:2002 CT-C35-F9 AR1		