

BENFERLIV

Rev.00

CEMENT-BASED SELF-LEVELLING COMPOUND, NORMAL SET AND QUICK-DRYING FROM 0 TO 10 MM THICKNESS. INTERIOR USE ONLY.

TECHNICAL FEATURES:

BENFERLIV is a special powder product consisting of cements, aggregates and selected additives, suitable to facilitate the smoothing of horizontal substrates of up to 10 mm thickness per coat, to prepare for the placing of ceramic floors or similar surfaces three days after laying and to place wood floors seven days after spreading (the prior humidity control must be less than 2%).

FIELDS OF APPLICATION:

Smoothing of old and recent cementitious screeds.

METHODS OF USE AND CONTRAINDICATIONS:

Substrates must be fixed and non-deformable, not free to make movements, but elastic vibrations typical of structures; they must be perfectly and carefully dried, cleaned and degreased. BENFERLIV is not to be used on smooth and non-absorbent substrates like glazed floor tiles. The mix ratio must be respected precisely, as an excess of water would cause a greater shrinkage and, as a consequence, the forming of surface cracks could occur, as well as scarce warranties of anchorage to the substrate. After three days, it is possible to put ceramic floors or similar flooring in place; for wood, rubber or PVC floors, it is

essential to previously control by a proper hygrometer to ensure that the substrate humidity is less than 2% (normally after seven days at 20°C and 50% RH). When preparing substrates to be covered with wood floors, the minimum thickness of BENFERLIV must be 3 mm.

PREPARATION OF THE MIXTURE:

Mix BENFERLIV with 23% water (5.75 litres of water for one 25 kg bag of powder), with a cement mixer or a low speed electric mixer until a uniform lump-free paste is obtained. The product is now ready for use, and must be used within 30 minutes.

APPLICATION:

Pour uniformly the product on to the surface and spread it with a smooth edged trowel. Smoothing with a thickness of more than 10 mm can be made with a further coating as soon as the first one is set and not more than fifteen hours later.

COVERAGE AND PACKAGING:

1.6 kg/m² per mm of thickness. BENFERLIV is packed in 25 kg poly-lined bags, is supplied on pallets of 1,500 kg and has a shelf life of approximately 6 months in its original pack properly sealed in a dry environment.

PRODUCT TECHNICAL DATA

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|-----------------------------------|--|
| CONSISTENCY: | POWDER |
| COLOUR: | GREY |
| STORAGE: | POWDER: 6 MONTHS IN THE ORIGINAL PACK IF PROPERLY SEALED AND PROTECTED FROM HUMIDITY |
| TOXICITY: | NONE POSSIBLE IRRITATION OF SKIN AND EYES AFTER CONTACT, DUE TO THE CEMENT CONTENT USE SUITABLE PROTECTION |
| INFLAMMABILITY: | NONE |
| MIX RATIO: | 23 PARTS WATER WITH 100 PARTS POWDER BY WEIGHT |
| CONSISTENCY OF THE MIXTURE: | FLUID |
| APPLICATION TEMPERATURE: | + 10° C TO + 35° C |
| POT LIFE SELF-LEVELLING COMPOUND: | 30 MINUTES |
| PRACTICABILITY ON DRY SUPPORTS: | 12 HOURS |

FINAL PERFORMANCES

| | |
|-------------------------------------|-------------------|
| COMPRESSIVE STRENGTH AFTER 28 DAYS: | > 18 MPa |
| RESISTANCE TO TEMPERATURE EXTREMES: | -30° C TO + 90° C |
| FLEXIBILITY: | POOR |

NB: The information given in this chart is based on our best experience and indicative only.
It must in any event be verified by the end user, who assumes
all liabilities deriving from utilization of the product.