



## PlaneMix 50

### Self-levelling compound

For straightening and levelling substrates of e.g. concrete, existing tiles, and timber floors. Suitable for underfloor heating, both electric and water systems. Produces finished surface ready to receive ceramic tiles or other floor coverings.

- For interior use in dry and wet locations
- Ideal for subfloor repairs
- Fast setting
- Suitable for underfloor heating
- Thickness: 2 - 50 mm

#### Product

Grey, fast-setting, polymer modified powder on the basis of aluminous cement.

Applicable by trowel or pump.

#### Coverage

| Application  | Kg per m <sup>2</sup> / mm thickness |
|--|--------------------------------------|
| For straightening/levelling  | Approx. 1.7 kg                       |
|  | Kg per m <sup>2</sup> / cm thickness |
| For straightening/screeding with 20 litres of Leca pearls Ø 2-4 mm | Approx. 10.0 kg                      |
| For straightening/screeding with 40 litres of Leca pearls Ø 2-4 mm | Approx. 5.5 kg                       |

#### Packaging

Available in 25 kg PE lined paper bags.

#### Surfaces

Concrete subfloors, max humidity 95% RH. Cohesive strength should be min. 1 N/mm<sup>2</sup>.

Ceramic tiles, terrazzo, and timber floors.

For further information and details, please contact our Technical Services Dept.

#### Surface preparation

The surface should be dimensionally stable, sound, clean and free from dust and laitance. Residues from grease or soap can be removed with **Alfix Deep Cleaner**. To remove laitance or roughen smooth surfaces, use mechanical preparation, such as sanding or grinding, and vacuum subsequently.

All surfaces should be primed with Alfix **PlaneMixPrimer**. Ensure a room temperature of min. +10°C while working. Allow primer to dry before commencing further treatment. Application of smoothing compound should be made within 24 hours after priming.

Use self-adhesive foam tape to retain at doors, around floor drains, etc. If possible prevent compound from obtaining contact to walls. For thicknesses exceeding 5 mm, always apply self-adhesive foam tape for walls.

Should levelling imply several layers, priming before each new application is required.

## Mixing and levelling

Add 4.0-4.5 litres of clean cold water per 25 kg bag of powder. Pour water into a clean container and sprinkle in powder while stirring continuously. If possible, use large mixing container or drum for more bags at a time and mix until a lump-free, easy-flowing mix is obtained. Mixing time is approx. 2 minutes using rotary drill paddle.

Pour or pump Alfix PlaneMix 50 onto the prepared substrate and spread with notched or straight trowel until the compound flows together into a smooth and even surface.

Concrete, min. thickness: 2 mm

Timber floors, min. thickness: 10 mm

### **NB!**

Additional water should not be added to levelling compound already starting to set.

Note that the temperature of mixing water will influence working time/pot life.

Over dosage of water will reduce strength and may produce laitance.

Protect from draughts, direct sunlight, and heat.

Close broken packaging carefully after use and use the rest within the shortest possible time.

**Slope building/gradient levelling:** reduce amount of mixing water by 10 – 20%.

**Straightening/screeding:** With addition of Leca pearls Ø 2–4 mm a screeding mortar with good workability suitable for thicknesses 3 – 15 cm is obtained.

For further information and details, please contact our Technical Services Dept.

## Flooring

Prior to further installation, make sure that the relative humidity on location corresponds to the floor covering in question. Curing rate is influenced by temperature, humidity, ventilation, as well as sub-floor construction.

**Tanking:** For wet room use, always apply waterproof sealing membrane onto levelling compound.

**Tiling:** 24 hours at +20°C

**Dense coverings:** directional curing time is 1 – 3 days.

## Precautions

IRRITANT

## Cleaning

Tools and tiles should be cleaned with water before the compound sets. Cement-based products harden when mixed with water, hence do not pour surplus PlaneMix into the drain system.

## Test

Low emission, GEV-EMICODE EC1 - test defined by the German institute Gemeinschaft Emissionskontrollierte Verlegestoffe.

Det Norske Veritas AS:

Annex A.1, item No. A.1/3.1 "Primary deck coverings"

Identification number: 0575

**Technical enquiries**

**Levelling compounds - plane, smooth surfaces with Alfix**

**Wet rooms – Tanking with Alfix**

Product info on:

- **Alfix Deep Cleaner**
- **Alfix PlaneMixPrimer**

**Product health and safety data /COSH**

For further information, please consult our Technical Services Dept.

**For latest update of this product info, visit [www.alfix.com](http://www.alfix.com).**

|                             |                                 |
|-----------------------------|---------------------------------|
| <b>Working temperature</b>  | +10°C - +25°C                   |
| <b>Density</b>              | 2.1 kg/litre (mixed with water) |
| <b>Flow EN 12706</b>        | Approx. 125-135 mm              |
| <b>Working time</b>         | Approx. 20-30 minutes at +20°C  |
| <b>Foot traffic</b>         | After 3 hours at +20°C          |
| <b>Floor covering</b>       | After 24 hours at +20°C         |
| <b>Full strength</b>        | After 7 days at +20°C           |
| <b>Compression strength</b> | 40 - 50 N/mm <sup>2</sup>       |
| <b>Shelf life</b>           | Min. 6 months in unopened bag   |

