



Self-levelling and smoothing compound

- Suitable for locations requiring finished floor surface ready
- For straightening and levelling of substrates
- For balconies, car washes and industrial floors
- for locations exposed to upcoming moisture
- For interior and exterior use
- Foot traffic after 3 hours
- Water and frost resistant
- For slope building
- Suitable for underfloor heating
- Thickness: 2 - 25 mm

Product

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

Coverage

Approx. 1.7 kg per m² /mm thickness.

Packaging

Available in 20 kg PE lined paper bags.

Surfaces

Concrete subfloors, max humidity 95% RH. Cohesive strength should be min. 1 N/mm².
Ceramic tiles, terrazzo.

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

Surface preparation

Exterior

The surface should be dimensionally stable, sound, clean and free from dust and laitance. Further, substrate should be water and frost resistant.

Existing concrete floors should be sanded/cleaned prior to levelling.

Concrete floors should be primed with Alfix PlaneMixPrimer diluted 1:6 with water.

Dense surfaces require pretreatment with Alfix Epoxy Grunder, 2-component epoxide primer system, added sand once applied.

Priming of other surfaces, please consult our Technical Services Dept.

Outdoor temperature should be min. +10°C while working.

Allow primer to dry before commencing further treatment, usually drying time is 1 hour at +20°C.

Application of levelling 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.

Interior

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.

Prime absorbent surfaces with Alfix PlaneMixPrimer.

Prime non-absorbent surfaces with Alfix UniversalPrimer. Alternatively, wash/brush the surface with a mixture of Alfix PlaneMixPrimer and levelling powder in the ratio 1:2.

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 3,2 – 3,6 litres of clean cold water per 20 kg bag of powder.

Amount of water per bag*)	3.6 litres	3.4 litres	3.2 litres
Layer thickness in mm	2 mm	15 mm	25 mm

*)Recommended amount of water

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 25 exterior onto the prepared substrate and spread with notched or straight trowel until the compound flows together into a smooth and even surface.

For thicknesses exceeding 25 mm, incorporate kiln dried sand to extend coverage.

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, especially during the first 3 days upon application. If possible cover up with foil or plastic sheet. Colour and appearance of finished levelling layer will be influenced by substrate moisture content and weather conditions. Close broken packaging carefully after use and use the rest within the shortest possible time. Always complete with a finished floor surface, for example ceramic tiles.


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.

Tiling: 24 hours at +20°C

Tanking and tiling: Allow min. 48 hours at +20°C.

Precautions

	Alfix A/S H.C. Ørstedes Vej 11-13 DK-6000 Kolding alfix.com 14	Declaration of performance No. 30	DS/EN 13813 CT-C30-F7 Alfix PlaneMix 25 exterior Cementitious screed material for use interally in buildings.
Reaction to fire	A2 ₁ -s1	Release of corrosive substances	CT
Water permeability	NPD	Water vapour permeability	NPD
Compressive strength	C30	Flexural strength	F7
Wear resistance	NPD	Sound insulation	NPD
Sound absorption	NPD	Thermal resistance	NPD
Chemical resistance	NPD		

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.

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.

Working temperature	+10°C - +25°C
Density	2.1 kg/litre (mixed with water)
Flow EN 12706	Approx. 115-125 mm
Working time	20 - 40 minutes at +20°C
Foot traffic	After 3 hours at +20°C
Floor covering	After 24 hours at +20°C
Full strength	After 7 days at +20°C
Compression strength	25 - 35 N/mm ²
Bending tensile strength	6 - 9 N/mm ²
Shelf life	Min. 12 months when stored unopened in cool, dry conditions