GEV-EMICODE EC 1 PLUS very low emission

Fast-track screeding mortar

- **Screeding mortar for floors onto joisted timber, concrete, or terrazzo**
- **For bonded or floating screeds and subfloor repairs**
- **For interior use**
- **Foot traffic after 3 hours**
- **Ready to receive dense coverings after 24 hours**
- **Ideal for rapid preparation of subfloor**
- **Suitable for underfloor heating**
- **Thickness: 20 – 80 mm**

Product
Grey, fast-setting, polymer modified cement-based powder.
Applicable by trowel.
Grain sizes up to 1,8 mm.

Coverage
Approx. 1700 kg per m^3

Thickness in mm	**Kg per m²**
20 mm	approx. 35 kg
50 mm	approx. 85 kg
80 mm	approx. 135 kg

Packaging
Available in 20 kg PE lined paper bags.

Surfaces
Wooden floor constructions onto existing timber joist systems in areas up to 6 m². Joist spacing: 600 mm. Concrete with or without underfloor heating, existing tiles, or terrazzo for bonded or floating coating on screeds.

Surface preparation
The surface should be dimensionally stable, sound, clean and free from dust and laitance. For application on timber joisting apply rigid/hard insulation between joists and provide floating coat consisting of 2 layers of geotextile. Subsequently install reinforcement mesh, diameter 6 mm.
For surfaces requiring bonded coating, broom or brush the surface with a mixture of Alfix PlaneMixPrimer and Alfix PlaneMix 80 in the ratio 1:1.
Apply the mixture thoroughly by use of brush or broom and work it well into the surface.
Do not allow the slurry to dry before further treatment.
Ensure a room temperature of min. +10°C.

Mixing and levelling
Add approx. 1.8 – 2.0 litres of clean cold water per 20 kg bag of powder. Use large mixing container, drum, paddle stirrer or electric drill and mix thoroughly for approx. 2 minutes until a semi-dry consistency is obtained.
Lay out PlaneMix 80 wet-on-wet onto the brushed surface and spread evenly. Upon compaction, level and render the surface by use of smoothing board/straight edge. If necessary, steel trowel the surface until it appears smooth and closed.
Application, rendering and trowelling should be done in one, ongoing work operation. Do not work over larger areas than can be completed within the 45 minutes working time stated.

Min. bed thickness – bonded screed on concrete: approx. 20 mm.
Min. bed thickness – floating screed: approx. 40 mm.

NB!
Application in wet rooms requires subsequent tanking with sealing membrane ontop of the screeding mortar.
Additional water should not be added to screeding mortar 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 cause crack formation.
Switch off any underfloor heating and allow 7 days before switching heating back on.
Tanking and tiling: 4 - 6 hours at +20°C
Dense coverings: 24 hours at +20°C
Levelling: Use Alfix PlaneMix S8 rapid or alternatively Alfix PlaneMix S12 rapid after 4 – 6 hours.

Precautions

CE	Alfix A/S H.C. Oersteds Vej 11-13 DK-6000 Kolding alfix.com 08	Declaration of performance No. 15	DS/EN 13813 CT-C40-F6 Alfix PlaneMix 80 Cementitious screed material for use interally in buildings.
Reaction to fire	A1	Release of corrosive substances	CT
Water permeability	NPD	Water vapour permeability	NPD
Compressive strength	C40	Flexural strength	F6
Wear resistance	NPD	Sound insulation	NPD
Sound absorption	NPD	Thermal resistance	NPD
Chemical resistance	NPD		

NPD = No performance determined

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

Technical enquiries
Levelling compounds - plane, smooth surfaces with Alfix
Wet rooms – Tanking with Alfix
Product info on:
• Alfix PlaneMixPrimer
• Alfix PlaneMix S8 rapid
• Alfix PlaneMix S12 rapid
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	1.9 kg/litre (mixed with water)
Working time	Approx. 45 minutes at +20°C
Foot traffic	After 3 hours at +20°C
Floor covering tanking/tiling	After 4 hours at +20°C
Floor covering dense coverings	After 24 hours at +20°C
Full strength	After 7 days at +20°C
Compression strength, 28 days	40 - 45 N/mm²
Bending tensile strength	5 – 7 N/mm²
Adhesion Cohesion strength	Approx. 1.5 N/mm²
Shelf life	Minimum 6 months when stored unopened in cool, dry conditions.