GEV-EMICODE EC 1 PLUS very low emission

Pool and concrete levelling

- **Specially suitable for repairs in swimming pools**
- **For repair of all types of concrete, for example plinths, balconies and stairs**
- **For walls and floors**
- **For interior and exterior use**
- **Shrinkage compensated and fibre reinforced**
- **High adhesion and compressive strength**
- **Good working properties**
- **Layer thickness 5 - 40 mm**

Product
Fibre- and polymer-reinforced powder based on low-alkali, moderately sulphate-resistant cement. Contains quartz sand with grain sizes up to 1.2 mm.

Coverage
Approx. 2.0 kg/m² per mm layer thickness.

Packaging
20 kg plastic-laminated paper bags.

Substrate
Concrete.

Pre-treatment
The substrate must be sound, load-bearing and cleaned of dust, grease, salts, biological growth and other dirt. Any damaged concrete must be cut away.
Depending on the condition of the substrate, dry or wet sandblasting may be necessary.
The tensile adhesion strength must be ≥ 1.5 N/mm².
Any reinforcement steel must be protected against corrosion.
To ensure optimum adhesion, always apply a bonding slurry made from a mixture of Alfix PlaneMix S40 and Alfix PlaneMixPrimer in a ratio of 1:1.
The bonding slurry is applied with a broom or stiff brush to full coverage.

Instructions for use
Mix with approx. 2.7 litres of clean, cold water for floors and approx. 3.0 litres for walls per 20 kg bag. Pour the water into a clean container and sprinkle in the powder while mixing vigorously until a lump-free mix is obtained. Use a drill with mixing paddle or a forced-action mixer.
After a few minutes, remix the mortar and it is then ready for use.
Apply the mixed mortar to the bonding slurry substrate with a trowel or steel float within 8 hours after application of the bonding slurry.
For larger areas, the render layer can be levelled using screed guides.
Edges and transitions must be formed at right angles to a depth of at least 5 mm to avoid weak transition layers.
When the mortar has set, finish the surface with a float.
Maximum total layer thickness: 40 mm.

Post-treatment
Alfix PlaneMix S40 must always be protected against excessively rapid drying to avoid plastic shrinkage and reduced strength.
After-treatment is carried out by covering with plastic sheeting for the first 2 - 3 days.
At temperatures below +10°C, the after-treatment period must be extended.

Note!
Do not add further water to mortar that has started to set. Exterior rendering work should only be carried out in dry weather at temperatures between +5°C and +25°C, and not in direct sunlight.
If there is a risk of rain or temperatures below +5°C, the surface must be protected.
Exterior rendering during the winter months is not recommended.
Avoid release to the environment. Do not discharge into drains or the aquatic environment. Spillages must be collected mechanically and residues disposed of in accordance with local regulations.

Precautions

CE	Alfix A/S H.C. Ørsteds Vej 11-13 DK-6000 Kolding alfix.com 14	Declaration of performance No. 38	EN 998-1:2010 Alfix PlaneMix S40 Mineral render CS IV
Fire classification	A1	Thermal conductivity	λ10,dry ≤ 0,83 W/(m•K) for P=50% λ10,dry ≤ 0,93 W/(m•K) for P=90% (tabulated values according to EN 1745)
Water absorption	W0		
Vapour diffusion resistance factor μ	≤ 25		
Adhesion to concrete	≥ 0,08 N/mm²	Durability / frost resistance	NPD

Cleaning
Residues of Alfix PlaneMix S40 on tools, etc. must be removed with water before setting.
Cement-based products harden under water, therefore never flush residues into the drainage system.

References
Product information for:
Alfix PlaneMixPrimer
Safety data sheet
Declaration of performance

In case of doubt, contact our Technical Service Department. For the latest updated version of this data sheet, visit alfix.com

Technical data

Working temperature	+5°C - +25°C
Density	2,0 kg/litre mixed with water
Working time	1-2 hours at +20°C
Adhesion to concrete	≥ 2,0 N/mm²
Ready for foot traffic	24 hours at min. +15°C
Waterproofing/Tile installation	2 – 3 days at min. +15°C
Fully loadable	After 7 days at min. +15°C
Compressive strength	≥ 40 N/mm²
Exposure class	MX 4
Storage	Min. 12 months in unopened packaging. Store in a dry and cool place.