



Pool and concrete repair mortar

- Ideal for leveling/straightening in pools
- For patch repair and re-profiling of all concrete types, such as footings, balconies, and staircases
- For wall and floor (vertical and horizontal use)
- For interior and exterior use
- Shrinkage compensation system and fibre-reinforced
- High adhesion and compressive strength
- Excellent application properties
- Layer thickness 5 - 40 mm

Product

Fibre and polymer modified powder on the basis of low-alkali, sulphate resistant cement. Contains quarts sand with grain sizes up to 1.2 mm.

Coverage

Approx 2.0 kg/m² per mm thickness

Packaging

20 kg PE-lined paper bags.

Substrate

Concrete

Surface preparation

All surfaces should be structurally sound and clean, free from dust, grease, salt, dirt, and other contaminations. Damaged concrete should be removed.

Depending on surface condition, grit or high water pressure blasting may be required. Cohesion strength should be $\geq 1.5 \text{ N/mm}^2$

Possible reinforcing steel should be corrosion resistant.

To improve adhesion and ensure optimum result, always apply bonding coat of Alfix PlaneMix S40 and Alfix PlaneMixPrimer in the ratio 1:1.

Apply bonding coat by broom or large brush to full coverage.

Mixing

For mixing use approx. 2.7 litre (floor) or 3.0 litre (wall) clean, cold water per 20 kg powder. Pour water into a clean container, sprinkle in powder while stirring until a lump free, smooth mixture is obtained. Use forced action pan mixer or suitable paddle attached to electric drill. Allow the mortar to rest for a few minutes, remix briefly and the mixture is ready for use.

Apply mortar onto damp substrate using trowel or screeding board within 8 hours after application of bond coat.

For large areas, use guide battens and levelling batten. Cut edges and joints in square angles to a min. depth of 5 mm to avoid weak overbridging.

Once the mortar has begun to stiffen, smooth and finish surface by float.

Layer thickness: Max. 40 mm

Further treatment

Alfix PlaneMix S40 should always be protected against rapid drying to avoid shrinking and reduced strength. Cover with polyethylene film for at least 48 hours.

If temperatures range below +10°C, the above time for after treatment should be extended.

NB

Additional water should not be added to a mixture already starting to set.

Exterior work with should only take place in dry weather at temperatures from +5°C - +25°C. Avoid direct sunlight. If rainy weather or temperatures below +5°C are forecast, cover surfaces. Avoid exterior repairs and levelling during winter.

Precautions

	Alfix A/S H.C. Ørstedes Vej 11-13 DK-6000 Kolding alfix.com 14	Declaration of performance No. 38	EN 998-1:2010 Alfix PlaneMix S40 For external and internal use on walls CS IV
Reaction to fire	A1	Thermal conductivity	$\lambda_{10, \text{dry}} \leq 0,83 \text{ W/(m-K)}$ for P=50% $\lambda_{10, \text{dry}} \leq 0,93 \text{ W/(m-K)}$ for P=90% (EN 1745 table)
Capillary water absorption	W0		
Water vapour permeability μ	≤ 25		
Adhesion	$\geq 0,08 \text{ N/mm}^2$	Durability	NPD

Cleaning

Clean residues from tools with water before the mortar sets. Cement-based products harden when mixed with water, hence do not dispose of excess material by pouring into drainage system.

References

Product info on:
Alfix PlaneMixPrimer
Safety data sheets
DoP/Declaration of Performance

For further information, please contact our Service Technical dep.
For latest update of this data sheet, visit alfix.com

Technical data

Working temperature	+5°C - +25°C
Density	2,0 kg/liter mixed with water
Working time	1-2 hours at +20°C
Adhesion to concrete	$\geq 2,0 \text{ N/mm}^2$
Foot traffic	24 hours at min. +15°C
Tanking / Tiling	48 – 72 hours at min. +15°C
Full strength	After 7 days at min. +15°C
Compressive strength	$\geq 40 \text{ N/mm}^2$
Exposure class	MX 4
Storage life	Min. 12 months in unopened bags. Store dry and cool.