



Rapid-hardening repair and levelling render

- For rendering walls made of brick, concrete and LECA concrete
- For use as a substrate for finishing render or as a top surface
- For interior and exterior use
- Rapid-hardening – ready in 3 hours
- Diffusion open
- Low waste
- Layer thickness 3–50 mm
- Ideal for embedding cables, connection boxes, flush mount housings, etc.
- Ideal for filling channels/recesses for electrical installations, etc.

Product

Cement-based powder containing high-performance polymer modifiers. Contains quartz sand with grain sizes up to 1.2 mm.

Colour

Supplied in cement grey.

Coverage

Approx. 1.4 kg/m² per mm layer thickness.

Packaging

Available in 20 kg PE lined paper bags - FSC® certified paper (FSC® N003719).

Substrate

Brick and concrete.

Contact our Service-technical department for additional details.

Preparation

The substrate must be structurally sound and free from dust, loose mortar residue, paint, grease, salts, vegetation and other substances that may impede adhesion.

Depending on the nature of the substrate, it may be necessary to prepare it with wet or dry sand blasting. Strongly absorbent surfaces must be primed with Alfix PlaneMixPrimer.

Instructions for use

Mix the contents of one 20 kg sack with 2.5–3.5 litres of clean, cold water. Pour the water into a clean container and add the powder gradually while stirring strongly to produce a smooth, lump-free paste. Use an electric drill fitted with a mixing hook or a forced action mixer. Stir the render again after a few minutes and it is then ready for use.

Use a trowel/smooth steel board float to apply Alfix DuraPuds 650 rapid in layers of up to 50 mm each. For large areas, apply the product in layer thicknesses of up to 50 mm in several passes. When applying in layer thicknesses of more than 50 mm on a brick or concrete substrate, add up to 20% kiln-dried quartz sand with a grain size of 0–2 mm. The coverage area of DuraPuds 650 rapid can generally also be extended by adding up to 20% kiln-dried sand.

Level the render using a straight edge and/or a float to create a finished surface within 30–60 min. at +20°C. Drying time between the individual layers: Approx. 3 hours at +20°C. Do not start on larger areas than it is possible to complete within the stated working time.

NB!

Do not add extra water to render that has already begun to set.

When rendering walls made of foundation blocks, start by applying a rough cast in a 1:1 sand/cement mix. Drying time: Approx. 1 day.


Render should only be applied to aerated concrete in layers of ≤10 mm and on small areas up to approx. 1 m². When applying thicker layers of up to 20 mm, add kiln-dried quartz sand with a grain size of 0–2 mm. Alfix DuraPuds 650 rapid can also be used for embedding cables, fixtures, connection boxes, flush mount housings, etc. in walls.

Outdoor rendering work should only be performed in dry weather at temperatures of between +5°C and +25°C, and not in direct sunlight.

Façades must be covered if there is a risk of rain or temperatures lower than +5°C.

It is not recommended to attempt outdoor rendering in the winter months.

Precautions

	Alfix A/S H.C. Ørsteds Vej 11-13 DK-6000 Kolding alfix.com 22	Declaration of performance No. 52	EN 998-1:2010 Alfix DuraPuds 650 rapid Mineral render CS IV
Fire classification	A1	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% (table values according to EN 1745)
Water absorption	NPD		
Diffusion resistance factor μ	≤ 25		
Adhesion to concrete	$\geq 0,08 \text{ N/mm}^2$	Durability / frost resistance	NPD

Cleaning

Use water to clean Alfix DuraPuds 650 rapid residue off tools, etc. before it sets. Cement-based products harden when submerged in water, so never flush left-over product into the sewer system.

References

Material safety data sheet

If you have any doubts or questions, contact our Technical Service department.
For the most recently updated version of this data sheet, go to alfix.com

Technical data

Working temperature	+5°C - +25°C
Density	1.6 kg/litre, mixed with water
Working time	Approx. 45 minutes at +20°C
Water vapour diffusion	μ -value: ≤ 25
Ready for further processing	No sooner than 3 hours at +20°C
Compressive strength	$> 8 \text{ N/mm}^2$
Exposure class	MX 3.2
Full strength	After 7 days at min. +15°C
Shelf life	Min. 12 months in dry conditions and unopened packaging.