Water repellent plinth render

- **For rendering on concrete, lightweight concrete, brickwork, and plastic-based foam insulation, EPS/XPS**
- **Suitable for plinths below ground level**
- **High strength**
- **Water repellent and diffusion open**
- **Very low capillary suction**
- **Prevents moisture rising from the ground**
- **Coat thickness 3 - 15 mm**

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

Colour
Available in cement grey.

Coverage
Approx. 1.4 kg/m^2 per mm coat thickness.

Packaging
20 kg PE-lined paper bags.

Surfaces
Concrete, foundation blocks, lightweight concrete, and lightweight blocks.
Plastic-based foam insulation of expanded polystyrene (EPS) and extruded polystyrene (XPS) with a cementious fibre-reinforced surface.

For further information, please contact our Technical Service Department.

Surface preparation
The background should be dimensionally stable and free from dust, loose mortar residues, grease, salts, fouling, and other contaminations.
If necessary to improve render bonding, use dry or wet sandblasting prior to further treatment.
For concrete, lightweight and foundation blocks, it is recommendable to apply a preparatory roughcast made of cement/sand in a 1:1 ratio.
Alternatively, apply a ribbed contact coat of Alfix Durapuds 830 facade adhesive. Drying time: approx. 24 hours.

Mixing and application
Add approx. 3.0 litres of clean, cold water per 20 kg powder. Pour water into a clean container and sprinkle the powder in while stirring until a lump-free consistency is obtained. Use mixing drill or concrete mixer. Leave the mixture to rest for a few minutes and remix briefly before use.

Without reinforcement
Apply Alfix DuraPuds 615 plinth render in a coat thickness of up to 10 mm using straight steel trowel. Once set, work rendered plinth with a float to achieve a smooth and even surface finish.

Reinforcement with glass fibre mesh
Use Alfix DuraPuds 615 plinth render in the Alfix facade insulation system for rendering onto EPS or XPS insulation boards.
Apply as a 2-coat treatment:
On the first day, apply render with straight trowel in a 3-4 mm layer thickness. Embed the Alfix mesh 4x4 mm into the fresh render immediately.
At joints, embed mesh with 10 cm overlap. Position mesh by pressing gently into the wet render using the trowel.
Observe that mesh is placed at the surface top of the render coat.
On the second day, apply a new coat of Alfix DuraPuds 615 plinth render to full coverage in a 3-4 mm thickness. Once set, work rendered plinth with a float to achieve a smooth and even surface finish.

Note!
Do not add additional water to render which has begun to set.
Exterior work with plinth render should only take place in dry weather at temperatures between +5ºC and +25ºC, and not in direct sunlight.
If rainy weather or temperatures below +5ºC are forecast, cover facades.
Avoid exterior rendering during the winter season.

Precautions

CE	Alfix A/S H.C. Ørsteds Vej 11-13 DK-6000 Kolding alfix.com 13	Declaration of performance No. 2	EN 998-1:2010 Alfix DuraPuds 615 For external and internal use on walls CS IV
Reaction to fire	A1	Thermal conductivity	λ10,dry ≤ 0,83 W/(m□K) for P=50% λ10,dry ≤ 0,93 W/(m□K) for P=90% (EN 1745 table)
Capillary water absorption	W2		
Water vapour permeability μ	≤ 25		
Adhesion	≥ 0,08 N/mm²	Durability	NPD

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

Technical enquiries
Product info for:
DuraPuds 830 facade adhesive
Accessories for DuraPuds
Safety data sheet / COSH

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

Technical data

Working temperature	+5ºC - +25ºC
Density	1.6 kg/litre mixed with water
Working time	1 - 2 hours at +20°C
Water vapour diffusion	μ value: ≤ 25
Drying time	48 hours at min. +15ºC
Compressive strength	> 8 N/mm²
Exposure class	MX4
Full strength	After 7 days at min. +15°C
Shelf life	Min. 12 month in unopened packaging.