



benqusan^{FKZ}

Special purpose finishing plaster for damp wall plasters

benqusan-FKZ A mineral-based finishing plaster for use with lime cement-based damp wall plasters. Lime cement-bonded, vapor permeable ready-mixed dry mortar in accordance with DIN EE 998-1 for all kinds of building fabric.

System / areas of application Suitable for inside and outside walls, as well as for basements.
When used as a wall-base plaster, areas in contact with the earth should be permanently protected from moisture penetration. *(Recommendation: apply a 10 – 15 cm layer of waterproof render to areas in contact with the earth.)*

Technical specification	Mortar group	GP CS I in accordance with DIN EN 998-1
	Grain size	0 – 1.0 mm
	Fresh mortar unit weight	< 1.60 kg/dm ³
	Dry mortar unit weight	~ 1.30 kg/dm ³
	Water absorption coefficient w_{24}	< 0.20 kg/m ² ·h ^{1/2} (W 2)
	Water vapor diffusion resistance factor μ	< 15
	Fire resistance	A1
	Application temperature	> 3 °C

Substrate/ preparation The substrate must be sufficiently sound and stable (remove dirt and dust).
Poorly cleaned and prepared substrates, e.g. mortar remnants, dirt and dust, can lead to hollow cavities and cracks once the plaster hardens.

Mixing

1. Fill the required (clean) water into the mixer
2. Add the benqusan-FKZ ready-mixed dry mortar
3. Adhere strictly to the prescribed mixing time of 8 – 12 minutes *(depending on the type of mixer and mixing intensity)*

Water: 6.0 – 7.0 liters

Use only smooth, clean mixers: free-fall mixers with a capacity of at least 130 liters, single agitator up to 15 liters bucket size, fixed double agitator on a rotating plate with mortar tub capacity of at least 50 liters, and to a limited extent mortar pumps. **Do not use continuous mixers.**

It is essential that the prescribed mixing time is observed.
Do not use chemical additives. Observe mixing instructions on the sack.

Ideal weight of the fresh mortar: approx. 1550 to 1600 g per liter

Application Wet an area of wall corresponding to one batch of mortar to the point of saturation. Allow 24 hours for the scratch coat to set before applying the functional layer or other layers. Longer setting periods are also possible.

Paint Use only paints with very good vapor permeability.



innovative building concept

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Packing unit	25 kg of benqusan-FKZ per sack (40 sacks per EU palette = 1 000kg)
Yield	Yield per 25 kg sack of benqusan-FKZ : approx. 20.0 liters of fresh mortar Coverage per 25 kg bag of benqusan-FKZ: approx. 10.0 m ² (2 mm layer thickness) Consumption: 2.0 – 3.0 kg/m ² for 2 mm layer thickness
Storage	Store benqusan-FKZ ready-mixed mortar in a dry place and use within 12 months.
Quality	Ready-mixed benqusan-FKZ mortar is manufactured in compliance with DIN EN 998-1 and is subject to strict inhouse inspections and functional tests in accordance with DIN EN 998-1, as well as independent third party monitoring by recognized institutes.
Safety	The cement-bonded, ready-mixed benqusan-FKZ mortar is alkaline. Protect eyes, sensitive skin and wounds to avoid chemical burns. benqusan-FKZ is ecologically safe and contains no harmful substances.

Notice: Do not add chemical additives or lime to benqusan-FKZ ready-mixed mortar for damp and salt-loaded walls. On strongly absorbing substrates and/or too fast drying from draft, sunlight, heating or wind, dampen the applied plaster as required. Not suitable for use on walls in which the render is exposed to pressing water and/or seepage water. innovative building concept GmbH & Co. KG assumes no product warranty unless the respective processing instructions are followed. In addition to our processing instructions, the generally accepted rules of building technology according to the state of the art must be adhered to at all times. They must be adapted to the special needs and conditions of the project at hand. All representations made in this product data sheet result from extensive in-house and independent third party testing and extensive, longterm experience. This datasheet supersedes all previously published datasheets. We reserve the right to make technical changes in the context of further developments and product improvements. Recommendations by any employee of ibc that deviate from information in this data sheet shall be deemed valid only if provided in written form.