

# akurit PFI

## Profifix

### profile fixing mortar

standard plastering mortar GP CS IV acc. DIN EN 998-1

- rapid hardening
- plasters not containing gypsum



## Applications

- especially suitable for use on high-performance thermally-insulating substrates with low bulk density
- for renovation and restoration work
- as base plaster for the acceptance of finish coats, coatings or paint
- for external and interior use

## Properties

- high final strength
- quick setting and hardening
- frost-resistant and water-resistant after hardening
- mineral
- behaviour in fire A1 - non-flammable
- high stability

## Composition

- Grey cement in accordance with DIN EN 197-1
- Quick-drying cement
- graded stone aggregates in accordance with DIN 13139
- additives for improving bonding to the subsurface
- additives for regulating and improving workability and product properties

## Substrate

### General

- Masonry
- normal concrete
- Lime, lime cement or cement base plasters
- Not suitable for substrates containing gypsum

### Condition / Testing

- The subsurface must be dry, load-bearing, clean, frost-free and suitable for the application of mortar.
- For assessing the plaster primer, VOB/C DIN 18350, Section 3, DIN EN 13914-1/13914-2 as well as the plaster standard DIN 18550-1/18550-2 should be observed.
- The absorbency of the substrate must be tested and guaranteed.
- There must be no visible water film, water droplets or condensation (condensed moisture) on the surface of the substrate.

### Pretreatment

- Separating surface layers, such as cement films, formwork release oil or sinter skins must be removed using suitable methods.
- Existing gypsum-based plaster must be completely removed down to the masonry.
- Old plaster residue over hollows, crumbly grout mortar or other loose parts must be completely removed using suitable measures.

## Processing

### Temperature

- Do not process or allow to dry out at air, material or substrate temperatures below +5°C, or if there is a risk of exposure to night frost, or at temperatures above +30°C, or in direct sunlight, or on heated up surfaces, and/or in windy conditions.

### Mixing / Preparing / Processing

- When mixing manually, first place the quantity of water specified in the technical data in a clean container and then sprinkle in dry mortar. Use clean tap water.
- use a suitable agitator to mix the material until smooth and free of lumps. Leave to rest for a moment and then mix again, adding more water, if required, to achieve the right consistency for applying.
- Do not mix with other products and/or other substances.
- Do not mix with gypsum.

### Applying / Processing / Assembling

- Apply fresh mortar in places (in globs) onto the substrate.
- Spacing: approx. 30 to 50 cm
- Press plaster profiles in the fresh mortar bed and align them.

### Processing time

- approx. 30 minutes
- The stated times apply for a temperature of +20°C and relative humidity of 65%.
- Mortar that has already started to harden must never be thinned down with additional water, remixed or applied.
- Tailor mixed quantities to the processing time.

### Drying / Hardening

- The drying and hardening process will be slowed down by low temperatures and/or high air humidity and accelerated by high temperatures and/or low air humidity.
- Protect from drying out too quickly as a result of sun, wind or draughts.

### Subsequent coating / workability

- Suitable for subsequent coating with lime, lime-cement and cement plasters.

### Tool cleaning

- Clean all tools and equipment with water immediately after use.

### Notes

- do not mix with gypsum
- An additional fixing with rustproof nails is possible. In case of full covering, these must not be removed once the mortar has set.
- Carefully cover adjacent surfaces and components (e.g. windows, window sills, etc.). Wash off contamination immediately with water.

## Packaging

- 25 kg/sack

## Storage

- Store sacks appropriately and in dry conditions on pallets.
- can be stored in sealed original container/bag for at least 6 months from manufacturing date

## Quantity required / Yield

- consumption: approx. 0.5 kg/m profile length
- yield: app. 17 l fresh mortar per 25-kg-Sack

## Technical Data

<b>Product type</b>	standard plastering mortar GP
<b>Category</b>	CS IV
<b>Grain</b>	0 – 1 mm
<b>Water requirement</b>	approx. 7.0 l/sack
<b>Set mortar bulk density</b>	approx. 1.45 kg/dm <sup>3</sup>
<b>Compressive strength</b>	≥ 6.0 N/mm <sup>2</sup>
<b>Fire behaviour</b>	A1
<b>Adhesive tensile strength</b>	≥ 0.08 N/mm <sup>2</sup>
<b>Capillary water absorption</b>	W <sub>c</sub> 0 according to EN 998-1
<b>Water vapour permeability μ</b>	15/35 (table value EN 1745)
<b>Thermal conductivity λ<sub>10,dry,mat.</sub> for P=50%</b>	≤ 0.82 W/(mK)

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

## Safety and disposal instructions

### Safety

- This product produces an alkaline reaction when it comes into contact with moisture/water. Therefore ensure that skin and eyes are protected. If it should come into contact with the skin or eyes, rinse them thoroughly with water. See a doctor immediately if it comes into contact with the eyes.
- Follow further instructions in the safety data sheet.

### GISCODE

- ZP1 (products containing cement, low-chromate)

### Disposal

- Dispose of the material in accordance with the official regulations.
- Completely empty and recycle the packaging.
- Dispose of hardened product in accordance with the local regulations. Do not allow to enter the sewer system. Dispose of the hardened product in the same way as concrete waste and slurries. Waste code according to the Ordinance on the European Waste Catalogue depending on the origin: 17 01 01 (concrete) or 10 13 14 (concretewaste and concrete slurries).

## General notes

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.