

## Baunit Nanopor Plaster

**Product** Non-soiling, mineral, thin-layer skin (outer plaster) in paste form ready for processing. Hardwearing plaster in scratch structure for external or internal use. Processed manually or mechanically. System component part for Baunit Open – the Climate Frontage and Baunit Composite Heat Insulation System EPS, mineral, EPC-HD and cork. Tested in system in accordance with ETAG 004.

Because of its specially developed micro surface structure and special, nano-crystalline and anorganic additives, soiling is substantially reduced as, consequently, is associated algal infestation compared with other coatings.

**Composition** Innovative mineral binder, mineral fillers, silicates, micro-fibres, anorganic coloured and white pigments, mineral additives and water.

**Properties** Mineral, weathering-resistant, highly waterproof, low-soiling, highly diffusion permeable, incombustible.

**Application** Protection and creation of frontages and frontage features on old and new mineral plasters and plastic fillers, on concrete, for ancient monuments, for renovations and as a final coat with Baunit open – the Climate Frontage, Baunit Composite Heat Insulation System EPS, mineral, EPC – HD and cork and on improvement plasters.

**Pre-treatment with Baunit Universal Primer is always required!**

**Technical data**

Maximum granulation:	1.0/1.5/2.0/3.0 mm
Basic density:	Approx. 1.8 kg/dm <sup>3</sup>
Thermal conductivity $\lambda$ :	Approx. 0.70 W/mk
Vapour impermeability factor $\mu$	Approx. 25-40
Water absorption coefficient (W value):	< 0.20 kg/m <sup>2</sup> .t <sup>0.5</sup>
S <sub>d</sub> value:	0.05-0.08 m (at 2 mm layer thickness)
Colour tones	200 colours

Structure	Fine 1.0*	K 1.5	K 2	K 3
Consumption Kg/m <sup>2</sup>	Approx. 2.0	Approx. 2.5	Approx. 3.2	Approx. 4.2

Material consumption hollow for full.

\* single layer only for window sills or multi-coated over large areas in consultation with the Baunit specialist.

**Classification according to the Chemical Substrates Act**

Compulsory grading not required

S Clauses: S 2: Keep out of reach of children

**Storage** Dry, cool, frost-free and will store sealed for six months.

**Quality assurance**

Own monitoring by our works' laboratory. Outside monitoring of ongoing production control by a notified body.

**Delivery Format**

30 kg pails

**Substrate**

The substrate must be clean, dry, frost-free, dust-free, free of bloom, with bearing capacity and free of loose parts. The substrate must be tested in accordance with Austrian Standards B 2259, B3346 and B6410. The evenness of the wall must comply with Austrian Standard DIN 18202.

**Suitable on:**

- Mineral under-plaster mortar on composite heat insulation systems
- Lime/cement plasters, concrete
- Well-adhering silicate coatings and plasters
- Plasterboard  
(Pre-treatment: 2 x Baunit Blocking Primer)

**Conditionally suitable on:**

- Gypsum-containing plasters (arranged test area)

**Not suitable on:**

- Plastics and resins
- Enamels and oil films
- Distempers and emulsions
- Whitewash

**Substrate pre-treatment**

- Consolidate chalky and easily sanding surfaces (e.g. Baunit Plaster Consolidator; drying time min. 14 days)
- Mechanically remove sinter skin
- Remove mould oil residues on concrete with hot steam or special trade mould oil removers
- Clean soil surfaces with Baunit Frontage Cleaner
- Treat substrates with algal infestation with special agent (e.g. Baunit Improvement Solution)
- Remove poorly adhering, weathered coats mechanically or with Baunit Stripper
- Coat damaged or cracked mineral areas with plastic fillers (e.g. Baunit Adhesion Mortar) and reinforce with Baunit Textile Glass Grille if necessary.

**Pre-coat all substrates with Baunit Universal Primer  
(Drying time: min. 24 hrs)**

## Processing

### Coating breakdown:

1 x Baunit Universal Primer (full cover and uniform) or  
2 x Universal Primer (on improved mineral substrates)  
1 x Baunit NanoporPlaster

Baunit NanoporPlaster can be applied after allowing Baunit Universal Primer to dry for a least 24 hours.

Baunit NanoporPlaster is thoroughly mixed with a stirrer before application. The outer plaster may if necessary be applied fully over the surface with max. 1% clean water and a stainless steel trowel, or sprayed on with a suitable skim coating machine, stripped down to granulation strength and rubbed down immediately following application with a plastic abrasive board.

Don't mix with other coatings. Work evenly and without interruption.

## Notes and general information

The air, material and substrate temperature must amount to at least +8°C during processing and drying. Protect the frontage from direct sunlight, rain or strong wind (e.g. with protective scaffold netting). High air humidity and low temperatures may appreciably lengthen the drying time and uniformly alter the colour tone. Similarity of colour can be ensured only within one production batch. The colour produced may be influenced by the substrate conditions, temperature and air humidity. If different batches are used these should be mixed before commencing without fail.

The brightness reference value may not fall below 25 when used on composite heat insulation systems.

### Safety precautions

Protect eyes and the surroundings of the coating areas, especially glass, ceramic, clinker, natural stone, paint and metal. Rinse splashes off with plenty of water. Don't wait until the plaster has dried and hardened.

Clean tools and equipment immediately after use with water.

### Over-paintable:

- Baunit Universal Primer with Baunit Silicate Colour
- Baunit Silicon Colour

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Our spoken and written technology-application recommendations which we give to assist the purchaser/processor on the basis of our experience, in accordance with the contemporary level of scientific and practical knowledge are non-binding and establish no contractual relationship nor any ancillary obligations under the purchase contract. They do not relieve the purchaser from himself verifying the suitability of our products for the proposed use.