

# Baumit NanoporColor Self-cleaning Paint

## General Information



- Self-cleaning
- Dirt resistant
- Mineralic

### Product Overview

Ready-to-use, dirt-resistant, silicate-based facade paint. Baumit NanoporColor with its photocatalytic, self-cleaning effect offers extra resistance to the build-up of dirt as this runs off when it rains.

The unique micro-structure of the surface and special nano crystals and inorganic additives significantly reduce dirt build-up on the surface compared with other coatings

### Use

Protection and design of facade surfaces. Suitable for old and new mineralic and organic substrates such as render, putties and concrete. Also suitable for renovation projects and as a final paint coat over external wall insulation systems.

### Properties

Mineralic, stress-free drying, does not produce a film, highly weather resistant and vapour permeable, highest dirt resistance, not flammable, photocatalytic, easy to apply.

### Composition

Innovative mineralic binders, potassium silicate, mineralic fillers, organic binders, coloured and white pigments, additives and water.

## Technical Data

Density:	1.50 kg/dm <sup>3</sup> approx.
Solids content:	approx. 65%
ph-value:	12
µ-value:	30 – 40 approx.
Consumption:	0.50 kg/m <sup>2</sup> with 1 coat inc. primer (approx.)
Colours:	Selected colours from the Baumit Life range

### Quality Assurance

Own research in our own factory laboratories.

### Classification as per the GHS regulation:

For detailed classification as per ChemG refer to the safety datasheet (as per Article 31 and appendix II of directive no. 1907/2006 of the European Parliament and Council dated 18.12.2006) online [www.baumit.com](http://www.baumit.com) or request this safety datasheet from Baumit.

### Delivery

25 kg bucket, 1 Pal. = 16 buckets = 400 kg  
5 kg bucket, 1 Pal. = 48 buckets = 240 kg

### Substrate

The substrate should be clean, dry, frost-free, dust-free, absorbent, free from bubbles or loose particles and load-bearing. Test substrate as per norms B 2230, B 3345, B 3346 and B 6400.

Suitable for:

- Lime/cement and rubbed cementitious renders
- Concrete and other mineralic substrates
- Well adhered mineralic and dispersion paint and renders

Conditionally suitable for (do a test patch):

- Lime rendered and painted surfaces (be aware of carbonation )

Not suitable for:

- Plastics, varnished, oily or glued surfaces
- To stop carbonation in concrete repair
- Wood and metal
- Highly elastic dispersion paints

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Product Data Sheet

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## ■ Application

Stir Baumit NanoporColor thoroughly on a slow running stirring machine. Dilute Baumit NanoporColor with a max. 10 -15 % water to produce a suitable application consistency and prime the whole substrate (leave to dry for a minimum of 12 hours).

Weather dependent, but at least 12 hours after priming, apply either 1 or 2 coats of Baumit NanoporColor, substrate dependent. The application consistency can also be achieved with a lesser quantity of water. If applying 2 coats, leave at least 4 hours drying time between coats.

Do not mix with other paint. Baumit NanoporColor can be rolled, brushed or sprayed with a suitable airless sprayer. Work evenly and without taking a break.

Substrate preparation as per guidelines:

1 x Baumit NanoporColor diluted with max. 10 - 15 % clean water (apply to whole surface)

1 x Baumit NanoporColor (max. 5 % dilutable)

The dilution level is dependent on the delivered consistency and the absorption level of the substrate

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The air, material and substrate temperature must be a minimum of +8 C during application and the setting process.

- Weather protection: protect the facade from direct sunlight, rain and strong wind (e.g. scaffold net). High air humidity and/or low temperatures (eg late autumn) can significantly extend the drying time and change the colour shade achieved. High temperatures in summer shorten the drying time (it is possible to burn the coating).

- Colour tone: The colour tone can be affected by the condition of the substrate, temperature and air humidity. Above all, facade elements (scaffold shadows), differences in the substrate (texture, absorbency) and different weathering conditions produce differences in colour (patches). Colour uniformity can only be guaranteed within the same batch. If material from different batch orders is used, first mix well together. Mechanical effects on the finish render can cause colour variations in those places (fillers). These colour variations do not affect the functionality or the product quality.
- Light reflectancy value: The light reflectancy value should not be below 25 when using on an external wall insulation system. ÖNORM B 3346 standards and application guidelines for render apply for use of the usual render systems.
- Microbial attack: Facade paints contain bases to protect against build up of algae and mildew. Thus a preventative and delayed effect is achieved. Where a project has critical environmental conditions (eg. more than average moisture load, rain, proximity to waters, greenery, on the edge of a wood, plants growing near to a house etc.), we recommend increasing the resistance. We cannot guarantee a lasting prevention of algae and/or mildew. Take every precautionary measure to avoid this build up.
- Safety measures: see safety datasheet.
- Cleaning tips: Protect eyes and skin, as well as the surroundings, in particular glass, ceramic, tiles, natural stone, varnish and metal. If necessary, wash out with lots of water. Do not wait for the product to dry before removal. Clean tools with water immediately after use.

Our recommendations for applications which we give to support the purchasers/handlers from our experience, corresponds to current science and practice. The advice is non-binding, and forms no contractual, legal relationship and no additional obligations in the purchase contract. The advice does not release the purchaser from examining our products for their suitability for their foreseen uses. The general rules of construction equipment must be adhered to. We reserve the right to make changes which serve to provide technical progress and improve the product or its use. When such technical information appears, earlier information is no longer valid. You can find the most current information on our Internet pages. Only our current sales and supply conditions as well as provisions for the placement and use of our silos and mixing facilities apply for all business cases.

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