

# Baumit NanoporColor

## Self-cleaning Façade Paint

### General Information



- Nanopor & Photokat
- Self-cleaning
- Mineralic

#### Product Overview

Ready to use, mineral based, self-cleaning, pollution-resistant silicate-based façade paint for internal and external use. The microstructural surface, nanocrystalline and inorganic additives significantly reduce staining when compared to other coatings.

#### Use

- A paint finish application providing decoration and protection to facades. For application over old and new mineral and inorganic coatings and substrates, such as render basecoats, contact mortars and concrete.
- Suitable in conservation and renovation work.
- Mineral, modified and easy to use contact mortar with a range of uses.
- Once cured, the product has good bonding strength, is water vapor permeable and resistant to weathering, water ingress and frost penetration.
- For use in external and internal areas.

#### Composition

Innovative mineral binders, mineral fillers, silicate, microfibres, inorganic colour and white pigments, mineral additives and water.

#### Properties

- Mineral based non-film forming paint. Low stress drying, highly weather resistant, water vapor and CO<sub>2</sub> permeable, stain resistant, non-flammable.
- Easy to use.
- The microstructural surface, nanocrystal line and inorganic additives significantly reduce staining compared to other coatings.

### Technical Data

Density:	ca. 1500 kg/m <sup>3</sup>
Solids content:	ca.65%
Thermal conductivity λ:	ca. 0. 50 W/mK
pH – value:	12
Water vapor diffusion resistance μ value:	ca. 30 - 40
Consumption:	0.32 L/m <sup>2</sup> (2 coats)
Colour tones:	Selected from Baumit Life colours

#### Packaging

15 L bucket. 1 pallet = 16 buckets = 240 L.

#### Health & Safety

Please refer to the Material Safety Data Sheet, produced in accordance with Article 31 and Annex II of Regulation No 1907/2006 of the European Parliament and Council from 18.12.2006, available at [www.baumit.com](http://www.baumit.com) or alternatively request the MSDS from the manufacturer.

#### Quality Assurance

In house monitoring through our own laboratories. Third party inspection is carried out through a certified body.

#### Storage

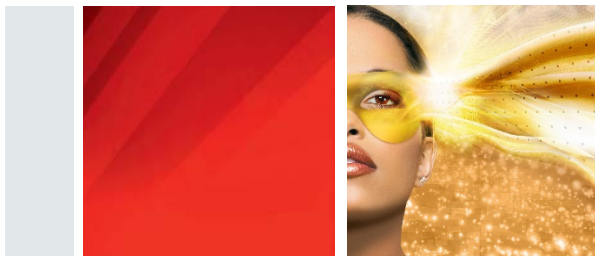
Store in dry, cool conditions, free from frost in sealed tubs. Shelf life 12 months

#### Substrate

Substrates must be sound, clean, dry, and free from frost, dust efflorescence and not water repellent. Existing mineral based coatings and paints must be sound and well bonded to the substrate (confirm with pull off tests and/or cross cut tests acc. To Baumit guidelines).

Suitable substrates:

- Mineral basecoats on External Wall Insulation systems (see above).
- Lime and cement renders, concrete.
- Well bonded mineral, silicate paints and coatings.
- Gypsum plasterboards (pretreated with two coats of Baumit SperrGrund).



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## ■ Application

Refer to Baumit for advice regarding other substrates and substrate preparation.

Baumit NanoporColor must be slowly, but thoroughly mixed with an electric hand mixer before application. Where required, a minimal amount of water can be added to the bucket to improve workability.

Baumit NanoporColor is applied with a paintbrush or roller in one or 2 coats depending on substrate and weather conditions. Leave to dry for at least 4 hours between coats.

It should be applied systematically and continuously in complete sections.

Paint system onto sound low suction substrate:

1 x Baumit NanoporColor thinned with max. 10 - 15% water as a full and even priming coat. Leave to dry for at least 12 hours.

1 x Baumit NanoporColor thinned with max. 5%. Paint system onto friable, high suction or mixed substrates or old EWI systems:

1 x Baumit TiefenGrund penetrating stabilizer (thinned up to 50%). Leave to dry for at least 24 hours.

1 - 2 NanoporColor thinned (thinned with max. 10% water).

## ■ General Information

The air, material and background temperature must be above +8° C during application and curing. Protect the facade from direct sunlight, rain and strong winds (i.e. with scaffold nets). High air humidity and low temperatures can prolong drying times considerably.

Products from different batches must be mixed together prior to application. Colour tone development can be affected by the background conditions, temperature and air humidity level

Baumit NanoporColor is equipped with a basic level of protection against algae and fungal growth. This achieves a preventative and inhibiting effect. For projects in critical environments (e.g. areas with above average humidity, rainfall, close proximity to water, plants, shrubbery, trees and woodland) we recommend an increased level of protection. A long term eradication of algae and fungal growth cannot be guaranteed.

The sands used in the Baumit facade renders are natural products. On occasion some of the sand grains may appear slightly darker. This does not in any way constitute a problem with quality of the product, but may represent a faint optical detraction, due to the natural properties of the raw materials.

A Light Reflectance Value lower than 25 must not be used for application on to External Wall Insulation systems.

Baumit NanoporColor should be left to dry for at least 14 days ( at +20 C° and 60 % rel. humidity) before receiving any further coatings.

Protective measures: Protect eyes and skin, and surrounding areas, especially glass, ceramic, brick, natural stone, varnishes and metals. Wash away any splashes with plenty of water. Do not allow to dry and harden.

Clean tools and equipment thoroughly 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.