

Baumit NanoporTop Self-cleaning Render

General Information



- Self-cleaning
- Nanopor & photokat
- Mineralic

Product Overview

Ready to use, self-cleaning, pollution-resistant topcoat render for thin coat application on external areas. Mineralic and highly vapour permeable. Suitable for hand or machine application. A system component of the Baumit External Wall Insulation Systems open, EPS, XPS, XS 022 and Mineral.

System tested according to ETAG 004 and EN 15824.

Use

- A topcoat render application providing decoration and protection to facades.
- For application over old and new mineral coatings, renovation render basecoats, concrete surfaces and mineral basecoats in the Baumit EWI Systems open, EPS, XPS, XS 022, and Mineral.
- Suitable in conservation and renovation work.

Properties

- Mineral based, low stress drying, highly weather resistant, water vapour and CO₂ permeable, stain resistant, non-flammable and easy to use.
- The microstructural surface, nanocrystalline and inorganic additives significantly reduce staining compared to other coatings.

Composition

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

Technical Data

Aggregate size:	1.5/2.0/3.0 mm
Density:	ca. 1800 kg/m ³
Thermal conductivity λ:	ca. 0.50 W/mK
Water vapour diffusion resistance μ value:	ca. 20 - 30
Water capillary coefficient w-value:	< 0.20 kg/m ² h 0,5 (W2)
S _d -value:	0.04 – 0.06 m (2 mm coating)
Bond strength:	> 0.3 MPa
Fire class:	Euroclass F
Colour tones:	Selected from Baumit Life colours

Texture:	K1.5	K2	K3
Consumption kg/m ² :	ca. 2.5	ca.2.9	ca.3.9

Packaging

25 kg bucket. 1 pallet = 24 buckets = 600 kg.

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Product Data Sheet

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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 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, 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 2 coats of Baumit SperrGrund).

Refer to Baumit for advice regarding other substrates and substrate preparation

Application

Surfaces must always be prepared with a full and even coat of Baumit UniPrimer before applying Baumit NanoporTop. Allow to dry for 24 hours. Refer to Product Data Sheet.

Mixing:

Baumit NanoporTop must be well and slowly mixed with an electric hand mixer before application. It may not be mixed with other paint materials. Where required a minimal amount of water (max. 1%) may be added to improve workability.

Application:

The Baumit NanoporTop is applied with a stainless steel trowel or a fine spray machine and trowelled through to the grain thickness to produce a full and even coat. The surface is then textured using a plastic float, moving in tight circular motions.

It should be applied systematically and continuously in complete sections

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 NanoporTop 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 detracting, 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 NanoporTop 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.

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