

# Baumit NanoporTop

## Topcoat render

<b>Product</b>	Ready to use, wet topcoat render for thin coat application. Mineral based and stain retarding decorative finish with scratched or dragged grain texture for internal and external areas. Suitable for hand or machine application. A system component of the Baumit External Wall Insulation Systems <b>open</b> , <b>EPS</b> , <b>XPS</b> , <b>XS 022</b> and <b>Mineral</b> . System tested according to ETAG 004 and EN 15824.																		
<b>Composition</b>	Innovative mineral binders, mineral fillers, silicate, microfibres, inorganic colour and white pigments, mineral additives and water.																		
<b>Properties</b>	Mineral based, low stress drying, highly weather resistant, water vapour and CO <sub>2</sub> permeable, stain resistant, non-flammable and easy to use. The microstructural surface, nanocrystalline and inorganic additives significantly reduce staining compared to other coatings.																		
<b>Intended use</b>	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 <b>open</b> , <b>EPS</b> , <b>XPS</b> , <b>XS 022</b> , and <b>Mineral</b> . Also suitable in conservation and renovation work.																		
<b>Technical data</b>	<table> <tr> <td>Aggregate size:</td> <td>1.0*/1.5/2.0/3.0 mm</td> </tr> <tr> <td>Density:</td> <td>ca. 1800 kg/m<sup>3</sup></td> </tr> <tr> <td>Thermal conductivity λ:</td> <td>ca. 0.50 W/mK</td> </tr> <tr> <td>Water vapour diffusion resistance μ-value:</td> <td>ca. 20 - 30</td> </tr> <tr> <td>Water capillary coefficient w-value:</td> <td>&lt; 0.20 kg/m<sup>2</sup>h<sup>0.5</sup> (W2)</td> </tr> <tr> <td>S<sub>d</sub>-value:</td> <td>0.04 – 0.06 m (2 mm coating)</td> </tr> <tr> <td>Bond strength:</td> <td>&gt; 0.3 MPa</td> </tr> <tr> <td>Fire class:</td> <td>Euroclass F</td> </tr> <tr> <td>Colour tones:</td> <td>Selected from Baumit Life colours</td> </tr> </table>	Aggregate size:	1.0*/1.5/2.0/3.0 mm	Density:	ca. 1800 kg/m <sup>3</sup>	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 <sup>2</sup> h <sup>0.5</sup> (W2)	S <sub>d</sub> -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
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Texture:	K1*	K1.5	K2	K3
Consumption kg/m <sup>2</sup> :	ca. 2.0	ca. 2.5	ca. 3.2	ca. 4.2

The consumption rates serve for guidance only. An allowance of 10% more consumption should be calculated in practice.

\*) One coat application for forming bands around window s or two coats for larger areas. Refer to a Baumit advisor for guidance

<b>Health and safety</b>	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 <a href="http://www.baumit.com">www.baumit.com</a> or alternatively request the MSDS from the manufacturer.
<b>Storage</b>	Store in dry, cool conditions, free from frost in sealed tubs. Shelf life 12 months.
<b>Quality assurance</b>	In house monitoring through our own laboratories. Third party inspection is carried out through a certified body.
<b>Packaging</b>	Tub 25 kg. 1 pallet = 24 tubs = 600 kg.
<b>Substrate</b>	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 Baunit **SperrGrund**)

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

### Application

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

#### Mixing:

Baunit 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 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.

### Further 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

Baunit 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 Baunit 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.

Baunit 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.

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The information contained in this product data sheet together with any additional written or verbal information provided by Baunit is based on Baunit's previous experience of this product and reflects Baunit's current understanding of the properties of the product. However, the Customer acknowledges that the advice given in this product data sheet is not intended to be legally binding nor to create any obligation which is legally enforceable against Baunit. It is the customer's responsibility to make its own enquires and investigations into the properties and use of this product and to verify that the product is fit for the customer's intended use. Baunit reserves the right to make changes to the product without prior notice.

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