Baumit NanoporTop
Topcoat render

Product
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 open, EPS, XPS, XS 022 and Mineral. System tested according to ETAG 004 and EN 15824.

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

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.

Intended 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. Also suitable in conservation and renovation work.

Technical data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<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/m³</td>
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<tr>
<td>Thermal conductivity λ</td>
<td>ca. 0.50 W/mK</td>
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<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/m²h 0.5 (W2)</td>
</tr>
<tr>
<td>Sd-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>
</tbody>
</table>

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 windows or two coats for larger areas. Refer to a Baumit advisor for guidance.

Health and safety

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

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

Packaging
Tub 25 kg. 1 pallet = 24 tubs = 600 kg.

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 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 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.

Further information

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 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 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.