

Baumit NanoporTop

Premium self-cleaning, ready-to-use render.



- **Natural self-cleaning**
- **High durability**
- **Breatheable**

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. 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.

Application

- 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.
- Suitable in conservation and renovation work.

Technical Data

Color:	Selected colour shades from Life Colored by Baumit
adhesive strenght:	> 0.3 MPa
μ-value:	app. 15 - 25
gross density:	app. 1.8 kg/dm ³
thermal coefficient:	0.7 W/mK
sd-value:	0.04 - 0.05 m for a layer thickness of 2 mm V1
W-value:	< 0.2 kg/(m ² .h ^[0,5]) W2
colors:	Life - anorganic (2-9)

	NanoporTop K1.5	NanoporTop K2.0	NanoporTop K3.0
grain size	1.5 mm	2 mm	3 mm
consumption	app. 2.5 kg/m ²	app. 2.9 kg/m ²	app. 3.9 kg/m ²
yield	app. 10 m ² /bucket	app. 8.6 m ² /bucket	app. 6.4 m ² /bucket

Storage

Store in dry, cool conditions, free from frost in sealed tubs. Shelf life 6 months

Subsurface

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 according to Baumit guidelines).

Suitable substrates:

- Mineral basecoats on External Wall Insulation systems.
- Lime and cement renders, concrete.
- Well bonded mineral, silicate paints and coatings.

Subsurface Pre-treatment

- Solidify chalking or sanding surfaces (e.g. Baunit Sanova ReFest; waiting time: at least 14 days or Baunit Sanova RePrimer plus; waiting time: at least 12 hours).
- Strongly- or highly water absorbent surfaces (e.g. lime-, lime-cement plasters) have to be pretreated with suitable primers (e.g. 2x Baunit PremiumPrimer or Baunit UniPrimer)
- Mechanically remove sinter skin.
- Remove forming oil residues on concrete with hot steam or commercially available special forming oil removers.
- Thoroughly clean dirty surfaces with Baunit Sanova RePrimer plus.
- Treat algae-contaminated subsurface with special agent
- Remove weathered coats of paint with bad bonding mechanically or with Baunit Sanova Fluid (not suitable on ETICS)
- Coat damaged and cracked mineral surfaces with putty (e.g. Baunit StarContact), where required, reinforce with Baunit StarTex

All subsurface must be pre-treated with Baunit PremiumPrimer or Baunit UniPrimer. Waiting time: at least 24 hour.

Processing

Surfaces must always be prepared with a full and even coat of the appropriate Baunit primer before applying Baunit 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 Baunit 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.

Notes and General Informations

The air, material and background temperature must be above +5° C during application and curing. Protect the facade from direct sunlight, rain and strong winds (i.e. with scaffold nets).

In hot and/or windy weather dampen the finished work at regular intervals with a water mist sprayer to aid hydration.

High air humidity and low temperatures can prolong drying times considerably. Observe the minimum standing time of 1 day per mm render thickness before applying further coatings and finishes.

Protect other materials such as glass, ceramics or metal etc from contamination with appropriate coverings.

Written and oral application technology recommendations provided by us to assist the seller/processor are based on our experience and reflect the current state of the art in science and practical application know-how. However, it is understood that these recommendations are non-binding. They do not create any legal relationship or any ancillary obligations in connection with the sale contract. They do not release the buyer from its obligation to verify the suitability to our products for the intended purpose or use by itself.