TECHNICAL DATA SHEET

NANOMAX

High-quality facade nano-plaster

According to the requirements of
EN 15824:2009

Ready-to-work nano-mixture for protective and decorative finishing coats on facades and exterior walls

PURPOSE

NANOMAX is a ready-to-work finishing coat, created with the latest technologies. The product is a combination of special binders and innovative mineral fillers, with added high-quality pigment pastes and preservatives. The product is designed for making of fine protective decorative coatings on facades and exterior walls. The plaster creates white or colourful hydrophobic relief surface. It provides possibilities of wide architectural solutions variety for facades and individual facade elements.

The biggest advantage of **NANOMAX** are the special ingredients in the plaster basis, which create a smooth surface layer, forming a grid of microscopic nanopores. The formed final layer gives the plaster a unique ability for 'self-cleaning'. The plaster nanoparticles do not allow the spread pollutants from the environment to keep on the surface or to penetrate deeply into the plaster structure. After that they can be easily washed by the rain or taken by the wind.

NANOMAX has extremely high water-repellent properties and vapour permeability. The nano-particles surface layer is really strong and resistant to mechanical damages.

The variety of colours is provided with high-quality colorants, resistant to weather conditions. The final decorative effect can be with a 'dragged' or 'scratched' structure. Colouring is according catalogue of 210 colours.

NANOMAX is component of the External Thermal Insulation Composite System TERAZID BIO CLIMA, approved with ETA – 13/0214.

PROPERTIES

- self-cleaning
- vapour permeable
- water-repellent
- resistant to different weather conditions

PREPARATION OF THE BASE

The base must be dry, strong and free of grease, dust and cracks. The surfaces should be smooth and free of holes. If necessary, gaps or uneven elements of the facade should be filled with rough coating.

In case of repairing facade surfaces, unstable areas should be removed and the areas with old paint and grease spots should be thoroughly cleaned. Repaired sections must have the same strength and bearing capacity as the old base before priming. The base should be primed with **TERAZID G-33**, at least 24 hours before **NANOMAX** application.

APPLICATION AND PROCESSING

The application of the facade plaster can start at least 24 hours after priming with **TERAZID G-33**.

Before the application begins, the content in the bucket should be stirred with the help of a mechanical mixer. Rusty tools are not allowed to use.

The thickness of the coating is defined by the marble grains size, as it is manually applied with the help of a plastic mortarboard. The applied material should be structured using a plastic trowel, with circular movements and without pressure, for achieving the desired final effect.

It is recommended to work in one area without interruption. No unfinished surfaces should be left after finishing work.

When applying on contiguous areas with different colours, they must be separated with a paper tape, due to protect the already applied plaster from being stained.

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Before priming and applying of the coating, it is recommended to cover the parts, which are not going to be plastered.

CONSUMPTION

- 1.5 mm – 2.8 kg/m²
- 2.0 mm – 3.6 kg/m²

WORKING TOOLS

- mechanical mixer
- plastic trowel
- brush

WEATHER CONDITIONS FOR APPLICATION

The minimum 24-hour temperature of the base should not be less than +5˚C, and the maximum – not higher than +30˚C.

The product should not be applied in rain or when the forecast is for rain, as well as under direct sunlight and strong wind.

FORM OF DELIVERY

Paste-form in a plastic bucket of 25 kg.

NOTES

Characteristics and technical data of the product, pointed out into this Technical Data Sheet are defined at a standard temperature (20˚C) and relative humidity (50%). In other weather conditions, the technological time for some of the processes, mentioned above, could be shorter or longer.

The information of the product is based on the practical experience of the manufacturer and the technical tests in specialized laboratories.

Do not mix with other building materials.

All hazards and precautionary statements about **NANOMAX** can be checked in the Safety Data Sheet of the product.

STORAGE

12 months into the originally sealed package in a dry place, without the danger of freezing.

CHARACTERISTICS AND TECHNICAL DATA	
Colour	according to catalogue
Form (aggregate state)	homogeneous paste-form mass
Resistance to rain	24 h *(at temperature of 20˚C and air humidity – 50 %)*
Density	1880 kg/m^3
pH	7.8
Resistance to vapour passing - μ	35
Bond strength with concrete	1.65 MPa
Coefficient of water vapour transmission	260 g/m^2.d (class V_2)
Water permeability coefficient - w	0.42 kg/m^2.h$^{0.5}$ (class W_2)

The manufacturer is responsible for the product quality, but not for the manner and the conditions of its usage. The information into the present Technical Data Sheet is reliable, but only if the product is used under the stated specified conditions. The responsibility of any other usage of the product, including its usage in a combination with any other product or process, is borne by the user.