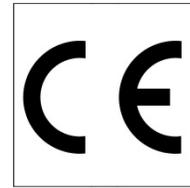
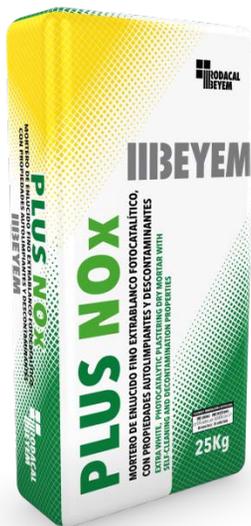


Beyem Plus NOx

Photocatalytic, with self-cleaning and decontaminating properties, extra white fine plaster



EN 998-1



About this product

BEYEM PLUS NOx is a photocatalytic, with self-cleaning and decontaminating properties, rainwater-proof extra white plastering dry mortar, formulated with white cement, selected fine white aggregates, photocatalytic reagents and special additives. Fine finishing.

Benefits

- Suitable for spray render and pump machines or manual applications.
- Excellent whiteness
- Good mechanical strengths.
- Decontaminating and self-cleaning effect. 
- High workability.
- Float/sponge/trowel very fine smoothed finishes.
- Rainwater-proof and permeable to water vapour.
- Suitable for internal and external walls.
- Easy and fast application.
- Factory produced for consistency of proportioning.

Use

Photocatalytic, mineral and rainwater-proof plaster for facades. Self-cleaning and decontaminating coating.

BEYEM PLUS NO_x degrades organic and inorganic substances deposited on its surface, which helps to maintain its aesthetic quality over time.

BEYEM PLUS NO_x reduces the concentration of most of the pollutants present in urban areas, turning harmful gases into compounds that are safe for health and the environment, through a natural process free of chemical agents.

Fine and extra-white finishing plaster to use over mortar undercoats. Interior extra-white plastering. Suitable for walls and ceilings both in interior and exterior situations, manually or mechanically.

Substrates

BEYEM PLUS NO_x is suitable for:

- Renders and mortars undercoats.
- Cement based substrates.

Preparation of substrates

Substrates must be clean, compact and free of substances that reduce adhesion such as dust, oil, grease and with no loose material. Substrates must submit an adequate porosity and surface roughness. Dampen substrates with water to cool down if they should be too warm, in case of wind or over absorbent substrates and wait until the thin layer of water disappears. It is a good practice curing with a fine spray of clean water 24 h after application.

Do not apply on cellular concrete, gypsum based plasters, brickwork, paint, plastic, wood or materials with low mechanical properties.

Instructions for use

Mix manually or mechanically BEYEM PLUS NO_x with 5,0-6,0 l per bag of clean water until a homogeneous, creamy and lump-free paste is obtained. Let the mix stand for 5 minutes before application.

To apply with render spray machine, it's necessary to set the relation water/mortar and pump pressure depending on section and length of hose and climatology conditions. It's important to maintain the variables affecting the properties of the applied mortar (distance to the wall, angle of application and water proportion). Spread the mixed product with a trowel (in case of manually or mechanically application) leaving 4-5 mm of average thickness. Press to ensure adhesion and expel the air contained in the pores. Smooth with a ruler the applied material to regulate thickness. When BEYEM PLUS NO_x is green (set but not fully hardened) it should be finished using a stainless steel trowel, wooden, plastic or sponge float according to the desired effect.

Cautions and recommendations

- Always mix with the specified amount of water.
- Do not apply below 5°C or above 30°C.
- Do not apply when there is risk of frost, rain, strong wind or direct sunlight.

- Above 5 mm of thickness, apply the product in two layers, leaving a roughness surface in the first to improve the adhesion of the second layer.
- The minimum finishing thickness of system (Beyem Plus NOx + Base coat) must be 10 mm, to contribute actively to the waterproofing of surface.
- Reinforcement with alkali resistant fiberglass mesh may also be required, dependent upon substrate condition (junctions of different surfaces, corners of voids...) and project specification.
- Expansion joints should be included as required by the substrate and respected by all applied materials.
- It is necessary to use a primer on too high absorption substrates, as a cellular concrete, or on very low absorption substrates.
- The photocatalytic properties of the mortar remain whenever the surface of the coating is not covered.
- The effectiveness of the photocatalytic process is influenced by the degree of exposure to light.

Technical data

Product identity. Properties of mixture and application data

Appearance	Powder
Color	White
Bulk density	≈ 1450 Kg/m ³
Density of the mix	≈ 1690 Kg/m ³
Grading	0-800 μm
Mixing water,%	± 22%
Average thickness application	4-5 mm
Coverage	14 Kg/m ² per cm of thickness
Tariff code	3824.50.90.00
Final performances	
Type	GP CSIII W _c 2
Adhesion	≥ 0,2 MPa
Compressive strength	≥ 6,0 MPa
Capillary water absorption	≤ 0,2 kg/m ² min ^{1/2}
Water vapour permeability	μ ≤ 15
Thermal conductivity	0,40 W/m·K
Reaction to fire	Euroclass A1

Packaging

BEYEM PLUS NOx is packed 25 kg plastic lined paper bags.

Storage: when stored unopened in a cool dry place, shelf life is 12 months from date of manufacture.

Cleaning tools

Tools can be cleaned easily with water before the product hardens. Hardened product can be removed only mechanically.

Project specification

Extra-white rendered surfaces with self-cleaning and decontaminating properties and floated fine smoothed finish, must be carried out with photocatalytic, rainwater-proof, extra white plastering dry mortar compliant with EN 998-1- Class GP CSIII W_c 2, such as Beyem Plus NOx manufactured by Rodacal Beyem Company. Coverage will be $\approx 14 \text{ kg/m}^2$ per cm of thickness. The substrate must be clean, sound, compact and dimensionally stable. Expansion joints must be respected.

Health and Safety

For further and complete information about the safe use of our product please refer to our latest version of the Safety Data Sheet, which is available upon request.

Disposal of the product and packaging must be in accordance with current legislation. This is responsibility of the final product user.

Certifications



ER-1089/1999



IDI-0004/2012



Certificate nº
20526-IV Ietcc
UNI 11259



Certificate nº
IE-LAE-01-0005/14
ISO 22197-1

Contact



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Note

Product for professional use

The above guidelines and information is accurate to the best of our knowledge and is offered in good faith. This information is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. End user should ensure that he has our latest literature, copy of which will be sent upon request.