

Eco Building Product

Mass coloured lime plaster with exceptional performance
Wind abrasion and frost-resistant
20 years maintenance-free life expectancy



SANACOLOR 2000 MGN

Mass Coloured Lime Plaster

What is it?

The SANACOLOR 2000 is a traditional lime plaster **mass colored** with natural earth pigments, cocciopesto (traditional brick dust) and marble powder. Therefore, under the effect of weathering or mechanical abrasion it wears out slowly, preserving over time its color and original appearance.

It is a macroporous plaster that promotes a continuous evaporation of the humidity present in the masonry, keeping the surface dry and aesthetically pleasing.



Practical & Economical

It reduces the number of applicable layers, either by hand or plastering machines. It reduces the number of maintenance interventions throughout the years (e.g. does not need painting)

Fits Into the Historical Context

It is composed of the very same traditional materials that have been used for centuries. It can be finished with any traditional technique: sponged, smoothed with an iron trowel, washed etc.

Improves the Comfort of the House

It is highly breathable that prevents the formation of mould due to the stagnation of moisture. It improves the thermal performance of the masonry, keeping it dry.

Resists Aggressive Climates

If subject to the abrasive action of the wind carrying sand, salty air or driving rain, it is weathered slowly without compromising its aesthetic appearance. It does not retain water, this minimizing the danger of frost damage.

Composition

- **Aerial lime** in hydrated (powder) form certified to EN 459-1 CL90S standard, containing min. 90% pure calcium hydroxide
- **Natural hydraulic lime** NHL 3.5, certified to EN 459-1 standard
- **Marble powders** certified to EN 12620 standard
- **Pozzolans** certified to EN 197-1 standard
- **Natural sands** depending on color requirements or individual sample formulations
- **Natural earth pigments** for color formulations
- **Natural water repellents**

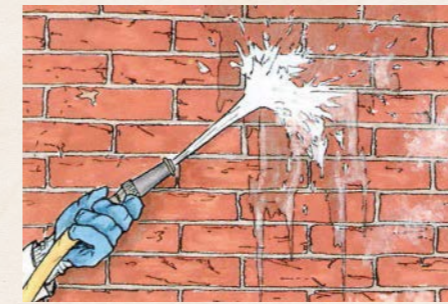


Warning: Due to use of natural earth pigments, color variations might occur from one production batch to another, hence the color samples have a purely indicative value.

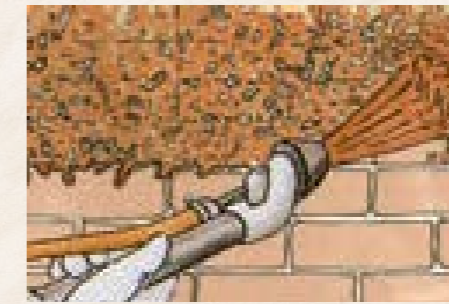


How to Apply it?

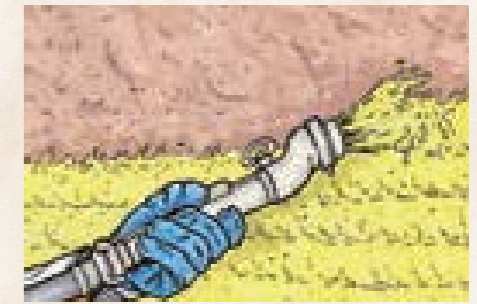
Applying the Sanacolor 2000 main coat



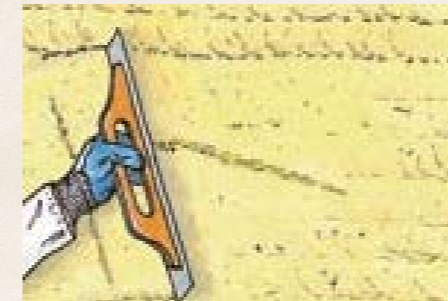
1. Wash the wall surface of the wall to remove the debris and residual salts. Wet new walls thoroughly.



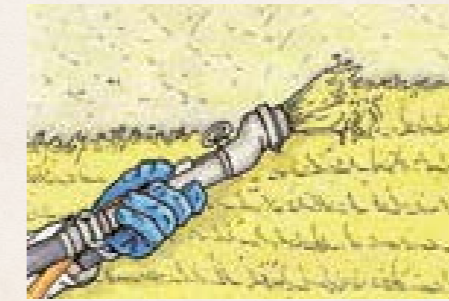
2. Cover in full beams, cement parts and areas subject to moisture and salts with the RINZAFFO MGN base coat.



3. After 48 hrs apply the first coat of SANACOLOR 2000 by hand or machine, in a thickness of about 10 mm.



4. Level the plaster and wait for the coat to set and dry.



5. Wet the surface and apply a second coat of SANACOLOR 2000 plaster in a thickness of about 5 mm.



6. Finish and level the surface with a trowel.

1. Preparation

Hack off the old plaster, remove all loose parts and foreign materials (wood, tar, metals etc.). Wash the surface with a pressure washer to remove all loose debris and residues from the surface. In case of old or new masonry, wet the surface.

2. Applying the RINZAFFO MGN Scratch Coat

The RINZAFFO MGN base is necessary as an adhesion bridge on reinforced concrete and as a regulator of absorption on concrete blocks. Its use is recommended in all cases of mixed backgrounds.

Mix the content of the Rinzafo MGN bag with clean water to only obtain a uniform good consistency plaster. If using a cement mixer mix it for no longer than 5 minutes.

Apply the Rinzafo plaster in a minimum of 5 mm thickness, fully covering the concrete parts, or partially in all other cases; at a height of 1 meter above the moisture line. Wait for the scratch coat to set before proceeding with the next layer. If applied on damp masonry, wait 48 hrs before applying the main SANACOLOR 2000 coat.

3. Applying the SANACOLOR 2000 Plaster

Mix the contents of the SANACOLOR 2000 package with clean water in a quantity necessary to obtain a uniform plaster. If using a cement mixer mix it for no longer than 5 minutes.

Apply a first layer of approximately 10 mm SANACOLOR 2000 leveling coat and wait until it's dry.

Apply a second coat of SANACOLOR 2000 (about 4-5 mm) and float the surface with a sponge or rigid trowel depending on the desired finishing.

If a greater thicknesses is desired, after the first coat proceed in layers, waiting for the previous layer to dry. Once the desired thickness is achieved, let the body of the plaster to dry and apply the last layer as described earlier. If you want to further protect the walls from rainwater, apply a hydrophobic protection.



Specifications

- **Supply:** premixed mortar in powder form
- **Packaging:** in 25 kg paper bags
- **Composition:** natural hydraulic lime, pozzolanic hydraulic binders, marble powder, silica sand, natural organic additives
- **Preparation:** add only clean water to obtain a dense mixture.
- **Water ratio** (indicative): 4.5 – 5.5 liter per bag for mixing in a cement mixer.
- **Application temperature:** between 5 – 30 °C.
- **Storage:** the product can be stored for 6 months in a dry environment.
- **Precautions:** strictly comply with the indications contained in this technical data sheet. If in doubt consult our technical service.
- **Safety:** due its natural lime content, the components are alkaline materials. The use of a mask and gloves during its use is recommended. In case of accidental contact with eyes, wash abundantly with water and consult a doctor.

Technical Data

- **Granular sizing:** 0 - 3 mm
- **Cement content:** 0.0%
- **Chemical additives:** none
- **Bulk density:** 1,380 Kg / m³
- **pH:** 10.5
- **Vapor diffusion resistance μ :** 8.5
- **Thermal conductivity λ :** 0.48
- **Compressive strength:** 1.0 N / mm²
- **Adhesion:** 0.3 N / mm²
- **Capillary water absorption:** W1
- **Fire resistance classification:** Class A1

Consumption

- **Rinzaffo scratch coat:** 16.0 kg/m² (per cm)
- **Sanacolor 2000 main coat:** 14.5 kg/m²
- **Marmorino smooth finishing plaster:** 2.8 kg/m²
- **Arenino coarse finishing plaster:** 2.5 kg/m²
- **Intonacchino coarse finishing plaster:** 3.5 kg/m²



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