



NANOLAQ

THE NANOLIME IN WATER SUSPENSION

The eco-consolidating compound suitable for architectural and artistic assets



CONSOLIDATION NANOLAQ

The processes of alteration and degradation of the surfaces of artistic and architectural stone elements, and in particular those consequent to the presence of salts and/or volume change, create pulverisation, flaking and the formation of cracks and micro-fissures induced by chemical and mechanical stresses. This can jeopardise the integrity of the original work or artefact. In such cases, it is necessary to intervene with consolidation techniques to restore the cohesion of the parts involved. IBIX in collaboration with the University of L'Aquila's Spin Off SNAPTECH S.r.l. is able to offer and use a highly innovative, high performance consolidating product: NANOLAQ

- It restores the resistance of treated substrates up to a depth of 1-2 cm
- It can also be applied on damp substrates
- It does not alter the porosity of the treated substrate, maintaining the original transpirability
- It does not alter the chemical and mineralogical composition of carbonate substrates
- It does not produce VOCs
- It absorbs CO₂ from the environment



NANOLAQ is a consolidating solution in the form of a suspension of calcium hydroxide nanoparticles dispersed in water, obtained according to an innovative and sustainable synthesis procedure. Completely Green, with no additives and no emission of toxic or environmentally polluting gases, dust or waste, thus respecting the health of operators.



Inorganic mineral product

Obtained by a sustainable synthesis process with low environmental impact, extremely low energy consumption and no toxic waste production

Perfectly compatible with all carbonate matrix substrates

Effective in restoring surface cohesion and eliminating dusting

It increases mechanical resistance up to a depth of 1 - 2 cm or more

It does not alter the porosity of the original substrate, maintaining its "natural" transpirability

Also applicable on damp substrates

Natural bacteriostatic and fungicide, (pH > 12)

It does not release volatile organic substances into the environment, (zero VOC emissions)

No CO₂ is produced during its synthesis process. After application, on the other hand, the product absorbs 600 g of CO₂ from the environment for every 1,000 g of nanoparticles used, with great benefit for the environment.

It guarantees the perfectly compatible consolidation of all substrates with a carbonate matrix (such as natural stone materials, historical mortars, plasters, frescoes, wall paintings, stuccoes), both indoors and outdoors, respecting the environment and original materials.