



# NANOLAQ

THE NANOLIME  
IN WATER SUSPENSION

## Guidelines for application of NANOLAQ

### SUBSTRATE PREPARATION

If possible, clean the surface to be treated of dust, any biological tarnishes, etc.

In the event of the presence of hygroscopic salts (chlorides, nitrates, sulphates, etc.), a desalinating treatment is recommended. Where this is not possible, we recommend removing efflorescence with a soft brush.

Lightly moisten the surface to be treated with water, especially in the case of an absorbent or dehydrated substrate (this is not necessary if the substrate is already damp).

In the case of high temperature conditions, (> 30 °C), it is advisable to operate with procedures that limit rapid evaporation, (maintenance of the substrate's damp conditions), thus furthering the regular absorption of CO<sub>2</sub>. Application on substrates exposed to sunlight during the hottest months of the year is highly unrecommended; it is advisable to provide shade for the surfaces to be treated and to apply the product during the coolest hours of the day. Application is strongly discouraged on days with strong and hot wind conditions.

### APPLICATION METHODS

Shake the NANOLAQ suspension until completely uniform before application. Repeat shaking of the product during treatments or whenever product build-up is observed at the bottom of the container.

### NEBULISATION

The ideal system for application is nebulisation with a low-pressure compressed air gun directly onto the surface to be treated. This method favours penetration into the substrate. Always shake the product inside the gun tank and proceed to impregnate the substrate, bringing it to a good level of humidity without exceeding saturation. In the event of dripping of the product, promptly blot with a sponge or absorbent cloth to avoid possible bleaching of the treated surface.

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## SYRINGE

This method is recommended for spot application of the product. In areas where the substrate is totally disintegrated and/or there are micro-cracks, it is possible to impregnate and inoculate directly up to the drip limit (if necessary, promptly blot with a sponge or absorbent cloth).

## RECOMMENDATIONS

In the case of very delicate surfaces or particularly degraded wall paintings, we recommend the use of Japanese washi paper to be removed immediately after application of the product.

It is advisable to carry out tests to choose the ideal concentration of the product. The treatment can be repeated several times after wetting the substrate, if necessary. After each treatment, allow the treated substrate to dry (you can even wait until the next day), in order to allow the carbonation process to complete and thus the consolidating action of NANOLAQ to advance. The number of treatments to be carried out depends on the initial conditions of degradation of the surface and the degree of consolidation desired for the particular substrate.

For application on plasters, stone materials and wall paintings, the product with a concentration of 10 g/l is ideal for application by nebulisation. Repeated treatments do not create undesirable bleaching. The 20 g/l concentration is applicable both by nebulisation (especially when a small number of repeated treatments can be carried out and on very porous substrates) and by syringe application. The 40 g/l concentration is recommended for syringe application.

In any case, it is advisable to carry out tests on small areas to be treated, before treating the entire area, in order to understand the concentration and quantity required to achieve an optimal consolidating result.

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