

N.AG PLUS

Transparent protective for the prevention of the growth and proliferation of microorganisms, bacteria and moulds.

Surface Destination:

Natural stones, terracotta, bricks, even surfaces of historical, artistic and / or monumental interest. Painted or decorated surfaces. Plastic coatings or finish coat. The pH of the substrate must not be higher than 7.5 (highly alkaline) or lower than 6 (highly acid).

Properties:

N.AG PLUS is a product based on an aqueous nano-dispersion of silver (metallic) in colloidal form (particle size ≤ 100 nm), specific for the preventive protection treatment against the growth and proliferation of bacteria, moulds and microorganisms on the external surfaces of facades, also painted or top-coated. N.AG PLUS, given its wide spectrum of action, is able to prevent the formation of colonies of microorganisms such as bacteria, mosses, lichens and moulds responsible of the blackening of wall surfaces and of the bio-deterioration of the architectural and monumental materials. Compared to conventional antibacterial agents, the technical advantages of N.AG PLUS are the total absence of toxicity to humans and to the applicator, a longer-lasting duration over time of its effect and a complete stability to the degrading atmospheric agents (U.V. rays in first) because of its inorganic nature. N.AG PLUS is a transparent protective, non-film forming, which does not alter in any way the aesthetic appearance of the surfaces treated with it. Substrates where bacterial infestations or mould are already present should be preventively cleaned using specific detergents (eg. BIO C).

Use:

On surfaces where considerably thick layers of microorganisms are already present it will be necessary to preventively eliminate them with the most appropriate cycle according to the situation.

N.AG PLUS is ready to use: it MUST NOT be further diluted and it MUST NOT come into contact with non-demineralized water, it MUST NOT be poured into containers where other products have been present. For its application, be sure to always use new instruments or, anyway, instruments that are perfectly clean and dry. Given the "ionic" nature of this kind of silver, it MUST be avoided the contact of N.AG PLUS with active chlorine, chlorides, nitrates, sulfates and any other product or substance with alkaline pH higher than 7.5 or acid pH lower than 6, and it MUST be avoided the addition of N.AG PLUS to paint or varnish, as it is incompatible with those products.

Surfaces that have been previously cleaned with detergents containing sodium hypochlorite or acidic/alkaline substances must be previously well-rinsed and dried before applying N.AG PLUS. In case of application on alkaline substrates such as cementitious plasters and/or lime finishes, tinted coatings or silicate paints you will need to wait at least 10/15 days and make sure that the pH of the surface to be treated has dropped around 7.5.

For the decontamination of mouldy surfaces, it is however preferable to use concentrated hydrogen peroxide instead of sodium hypochlorite. All the precautions listed above are designed to prevent a premature oxidation of the silver nano-particles and allow N.AG PLUS to properly perform its active function.

N.AG PLUS is ready-to-use and can be applied on the surface using a soft brush in natural fibers or a low-pressure vaporizer. Just allow the product to be absorbed from the support. After a few years, you can renew over time the protective action of N.AG PLUS simply re-applying it over the protected area. Always perform preliminary compatibility tests on the surface that has to be treated, in order to avoid the oxidation of the silver nano-particles and its relative possible undesirable effects.

Technical Data:

Appearance: colorless transparent liquid

pH of the solution: $4,00 \pm 0,5$

Specific gravity: $1,00 \text{ Kg/l} \pm 0,1$

Packaging: 1 liter plastic bottle or 5 litres plastic bucket

Performance - consumption:

Approximately, 10 - 15 square meters for liter of product.

Warnings:

- Product for professional use.
- Applying temperature range: $+5^{\circ} \text{ C}/+35^{\circ} \text{ C}$
- Do not apply under conditions of high humidity, imminent rain or full sun.
- Carefully protect the surfaces to which the product is not intended.
- Equip operators as required by current safety standards.
- Ventilate closed places when using the product.

All information contained in our records correspond to our best knowledge of current techniques and cannot be considered binding or challenging as the real application conditions, verifiable case, may also result in major changes of both practices described above and the results obtained. Perform preliminary tests to determine if the product is suitable for the intended or not. We decline any liability for any damage resulting from improper use or misuse of the product. Do not litter in the environment. This data sheet replaces all previous versions.