



Technical Information Sheet Article No. 2959

Bioni Nature

A new type of interior coating based on nano-technology with a longterm effect against infestation with mould

- low emission - free of solvents and plasticizers - wet abrasion according to DIN EN 13300, class 2

Range of use

For high quality interior coatings in rooms at risk or already infested with mould as well as for areas with sensitive occupants such as children and people with allergies, e.g. in living rooms, bed rooms, children's rooms, schools, kindergartens, offices, storage rooms, hotels, restaurants, wellness areas, swimming pools, etc.

Product properties

- **Product properties**
Bioni Nature is based on the most recent research in nano-technology and was developed in years of research work together with leading institutes. Thanks to its unique combination of active ingredients based on nanosilver, Bioni Nature provides permanently high resistance against mould infestation without polluting the room air.
- **New type of interior coating on a pure acrylate base with nanosilver that provides effective and permanent protection against mould on the coated surfaces: tested for pollutants**

(TÜV Certificate), safe for room air from a hygienic standpoint and "recommended for living spaces from a medical point of view" (certificate), water vapour diffusion open, "non-combustible" (building material class A2 according to DIN 4102-1), hard wearing and scrub resistant (wet abrasion class 2 according to DIN EN 13300), good hiding power (class 2 according to DIN EN 13300), free of solvents and plasticizers, good for health and easy on the environment, free of actively fogging substances, low-odour.



Fraunhofer
Institut
Chemische Technologie



- Freiwillige Prüfung
- Emissionsgeprüft



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Characteristic data of the product

Binder:	special binders
Pigment:	titanium dioxide
Extender:	functional fillers
Density:	approx. 1.15 kg/l
Viscosity:	proper for working
Colour:	white
According to DIN 53778:	scrub resistant
Characteristic data according to DIN EN 13300 wet abrasion:	class 2
Contrast ratio:	class 2
Degree of gloss:	dull matt (< 5 measured at an 85° angle)
Max. grain size:	fine (< 100 µ)

Directions

Preparation of the substrate

Substrates must be load-bearing, free of infestation with mould, soiling such as dust, release agents, residue from oils and grease.

Cracks, holes, damaged or hollow areas of render should be repaired with renders made by Remmers or, in the case of gypsum render, repaired with a filler. Highly alkaline substrates (fresh renders) as well as gypsum and fibrated cement sheets and sanding substrates should be primed with Deep Primer W (Art. No. 2841).

Thoroughly wash off old distemper and lime paints, remove old coatings that do not adhere. Bioni Nature can be directly applied to sound, load-bearing substrates as well as old dispersion bound coatings that adhere soundly.

Application of the material

The first coat of Bioni Nature can be diluted with max. 5% water. The degree of thinning depends on the absorbency of the substrate. The second or finishing coat is applied undiluted. The material can be applied by brush or roller. Do not use at temperatures below 8 °C (substrate and ambient temperature).

A waiting time of 12 hours (at 20 °C and 65% relative humidity) should be observed between each working operation.

Tools, cleaning

Brush, lambskin roller
Clean tools and splashed paint with water while the paint is still fresh.

Packaging, application rate, shelf-life

5 l and 15 l plastic buckets

Application rate:

Approx. 0.15 - 0.18 l/m² for the first coat, depending on the state of the substrate. For the second coat, approx. 0.15 l/m² is required.

Shelf-life:

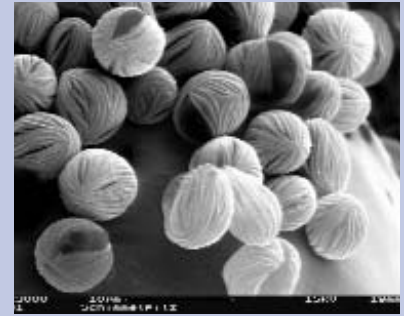
At least 6 months in closed, original containers stored frost-free.

Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as on disposal and ecology is found in the latest Safety Data Sheet.

Produkt-Code

M-DF 01



The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

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