



Technical Information Sheet Article No. 2960

Bioni Hygienic

Interior coating on a nanosilver base with an antimicrobial effect for areas with high requirements on hygiene

- 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 areas with high requirements on hygiene, e.g. hospitals, clinics, doctor's surgeries, nursing homes, food processing industry, trade, etc.

Bioni Hygienic is used for coating ceilings and walls. It can be used as a final coating on all old and new render, wall paper, gypsum plasterboard, concrete, sand-lime brick and fair-faced masonry work. It can also be used to coat load-bearing old coatings on a silicate, silicone resin or dispersion base.



Fraunhofer
Institut
Chemische Technologie



- Freiwillige Prüfung
- Emissionsgeprüft

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Product properties

- Bioni Hygienic is based on the most recent research in nanotechnology and was developed together with leading institutes especially for application where high requirements are placed on hygiene. Thanks to its unique combination of active ingredients on a nanosilver base, Bioni Hygienic provides permanently high resistance against infestation with germs and bacteria without polluting the room air.
- Interior coating on an acrylate base with nanosilver and an anti-microbial effect that permanently protects coated surfaces from infestation with

germs and bacteria (including staphylococcus aureus, enterococcus faecium): 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), resistant to disinfectants, 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.



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

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 coat-ings that do not adhere. Bioni Hygienic 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 Hygienic 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

Packaging:

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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Remmers (UK) Limited Crawley
United Kingdom
Tel: +44(0) 845 373 0103
Fax: +44(0)845 373 0104
www.remmers.co.uk

Remmers (Far East) Pte. Ltd.
Singapore
Tel: +65 6 7410277
Fax: +65 6 7417158