

# Technical Data Sheet

## Bioni Nature

Interior coating based upon **Nanotechnology** which permanently prevents the formation of mildew and fungus

### Product

#### Product Description:

Bioni Nature represents a quantum leap in the field of paints and coatings and has been developed in close cooperation with leading scientific institutes. Thanks to its special formulation based upon Nano-Silver-Particles Bioni Nature delivers unique permanent protection against mildew and fungus without contaminating the air inside the building.

#### Features:

New, pure acrylic interior paint with Nano-Silver-Particles which delivers a maximum and unique protection against mildew and fungus:

- permanently prevents the formation of mildew and fungus
- non-toxic (environmentally friendly)
- no room air pollution (TÜV certified)
- permeable to water vapour
- non-flammable  
(class A2 according to DIN 4102-1)
- excellent washability  
(class 2 according to DIN EN 13300)
- superior flow and hiding  
(class 2 according to DIN EN 13300)
- free of solvents and softeners
- almost odourless

#### Technical Information:

**Form:** liquid

**Colour:** white

**Finish:** matt

**Solids (% by Volume):** approx. 58%

**Thinner:** water

**Binding Agent:** Pure Acrylic

**Viscosity:** ready to use

**pH:** approx. 9

**Specific Gravity:** approx. 1.15g/cm<sup>3</sup>

#### Packaging:

5.0 lt. and 10.0 lt. pail.

### Recommended Use

Bioni Nature is suitable for use in areas, where a permanent protection against mildew is required, such as in residential buildings (living rooms, bedrooms, children's rooms, bathrooms, washrooms, kitchens) schools, kindergartens, storage and manufacturing facilities, hotels & Spa, etc.

### Application

#### Area of Application:

For internal use on old and new plastered walls, ceilings, rendered blockwork, masonry, gypsum boards, concrete, fabric wallpapers and vapour permeable, undamaged paints.

#### Application Methods:

Can be applied by brush, roller or sprayed using suitable equipment. Stir thoroughly before use.

#### Surface Preparation:

The surface must be fully cured, clean, dry and free of dirt, contaminants and release agents. For preparing cementitious substrates refer to ASTM D-4258 and ASTM D-4261. Apply 1 coat Bioni Grip as a primer on new surfaces.

#### Surface Preparation (Mildew):

Remove mildew before painting by scrubbing and washing and apply Bioni Clean. Allow the solution to remain on the surface for 24h. Do not wash off later.

#### Typical Recommended Paint System:

- 1 coat Bioni Clean (if area mildewed)
- 1 coat Bioni Grip (if the surface needs to be prepared before painting)
- 2 coats Bioni Nature.

#### Spreading Rate:

2.8-3.5 m<sup>2</sup>/l (with 2 coats). This is equivalent to approx. 145-175 ml/m<sup>2</sup> for one coat and approx. 290-350 ml/m<sup>2</sup> for two coats. Coverage rates are a guideline only and depend on the substrate and texture.

#### Mixing:

Single pack. Ready to use. Dilution is not recommended. The characteristics of the product can be affected if mixed with other substances.

#### Conditions during Application:

The temperature of the substrate and ambient should be minimum +5°C during application and drying.

#### Curing / Drying:

Dries within 12 hours under normal conditions (20°C, 50% relative humidity). The drying time varies with the temperature / humidity and surface conditions.

#### Storage:

Store in a cool, dry place. Protect from heat, freezing, direct sunlight. Containers must be kept closed. The product must be stored in accordance with national regulations.

#### Clean Up:

Clean tools and hands immediately after use with soap and water.

### Disposal

Do not allow to enter drains or watercourses. Handle disposal of waste material in manner which complies to local, state, province and federal laws and regulations.

### Health and Safety

Do not take internally. Keep out of reach of children. Avoid contact with eyes. Wash hands after using. Keep container closed when not in use. In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. Consult the Material Safety Data Sheet for further health and safety information.

The information in this Technical Data Sheet is given to the best of our knowledge based on practical experience and laboratory testing. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.

