

Technical Data Sheet

Bioni Perform

Facade coating with superior moisture and heat regulating properties, providing maximum building protection

Product

Product Description:

Bioni Perform is a superior quality, acrylic based exterior paint with outstanding physical features. By deflecting up to 93% sun rays and due to the low thermal conductivity of Bioni Perform, the thermal load on the building and the heat absorption of walls are reduced significantly. Additionally, the optimal moisture regulating properties of the coating ensure that the possibility of damage to the reinforcement of the building is reduced and moisture caused heat transfers are eliminated. Thanks to these effects, less energy is required to cool and heat the building.

Bioni Perform reduces thermal stress on facade panels and render, resulting in less cracks and longer lasting expansion joints.

Bioni Perform is highly salt resistant and high carbon dioxide diffusion resistant which makes it a perfect protection against concrete cancer.

Bioni Perform is extremely water repellent but also is permeable to vapour; a combination which provides superior moisture and heat regulating properties and maximum building protection.

Features and Benefits:

- Heat reflecting (up to 93% of sun rays)
- Permanent anti-microbial properties
- Excellent moisture regulation
- UV-stable
- excellent colour retention
- crack-bridging ability
- Salt resistant
- protects concrete from concrete cancer , high carbon dioxide diffusion resistance
- Water repellent.
- UV stable.
- Superior wet abrasion resistance and very good covering qualities. (class 2, DIN EN 13300)
- acts as a flame retardant (class B1 according to DIN 4102-1)

Technical Information:

Form: liquid

Colour: white

Finish: matt

Solids (% by Volume): approx. 58%

Thinner: water

Binding Agent: Acrylic based

Viscosity: ready to use

pH: approx. 9

Density: approx. 1.10g/cm³

Packaging: 10.0 lt. drum.

Recommended Use

Recommended for exterior surfaces where a optimal and durable protection against heat, moisture, UV, weathering and algae is required.

Application

Area of Application:

Bioni Perform is recommended for external use on old and new concrete and rendered surfaces, block walls, masonry, precast concrete panels, vapour permeable and undamaged paints, fibre-cement panels and wood.

Application Methods:

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

Surface Preparation:

The surface must be fully cured, clean, dry and free of dirt, contaminants and release agents.

For preparing cement based substrates refer to ASTM D-4258 and ASTM D-4261. Apply 1 coat Bioni Grip as a primer. Remove algae and moss with water jet (high-pressure is ideal) before painting and apply Bioni Clean. Allow the solution to remain on the surface for 24h. Do not wash off after.

Typical Recommended Paint System:

- 1 coat Bioni Clean (if areas are contaminated by moss or algae)
- 1 coat Bioni Grip
- 1 coat Bioni Texture (if a texture is required)
- 2 coats Bioni Perform.

Coverage Rate:

2.5-3.0 m²/l (with 2 coats). This is equivalent to approx. 150-200 ml/m² for one coat and approx. 300-400 ml/m² 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:

During application and drying, the temperature should not drop below +5°C.

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:

It is important to reseal containers tightly after use. Store in a cool, dry place and protect from heat, freezing and direct sunlight. 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 with local, state 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.

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