

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 building physics features. By deflecting sunlight up to 93% and thanks to the low thermal conductivity of Bioni Perform, the thermal load on the building and the heat absorbed by walls are reduced significantly. In addition the optimal moisture regulating properties of the coating ensure that damage to the fabric of the building is thus prevented and moisture caused heat transfers are reduced. Thanks to these effects less energy to cool (and heat) the building is required.

Features:

Acrylic based exterior paint with superior moisture and heat regulating properties, providing maximum building protection:

- reduces the thermal load on the building (lowers interior temperature)
- superior heat deflection properties
- excellent moisture regulation
- permanently prevents the growth of algae by means of Nanotechnology
- variable permeability to water vapour
- very water repellent
- high resistance against UV and weathering
- crack-bridging ability
- superior adhesion
- excellent colour retention
- flame retardant
(class B1 according to DIN 4102-1)
- protects concrete from corrosion (high carbon dioxide diffusion resistance)
- contains no film preservatives
(environmentally friendly)
- excellent flow and hiding

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

Specific Gravity: approx. 1.10g/cm³

Packaging:

10.0 lt. pail.

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:

For external use on old and new plastered surfaces, rendered blockwork, masonry, concrete, vapour permeable and undamaged paints, asbestos cement panels and wood.

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. Remove algae and moss with waterjet (high-pressure is ideal) before painting 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 algaed)
- 1 coat Bioni Grip
- 1 coat Bioni Texture (if a texture is required)
- 2 coats Bioni Perform.

Spreading 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:

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.



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