ANTIPLUVIOL

Water-based water-repellent protective coating, ideal for very absorbent surfaces







BENEFITS AND FEATURES

- Excellent protection from rainwater and atmospheric moisture
- Breathable with natural effect
- Excellent UV resistance

WHERE TO USE

Colourless, water-repellent surface treatment for the protection of absorbent substrates—such as brick, aerated concrete, cementitious and/or lime-based renders and skim coats, and natural and artificial stone—from rainwater and atmospheric moisture.

Some application examples

- Protective treatment against rainwater and atmospheric moisture for walls coated with renders and/or covered with absorbent materials.
- Colourless water-repellent protection for existing façades, including those of historical or architectural value.
- Water-repellent treatment of exposed brick and/or natural and artificial stone masonry.

TECHNICAL CHARACTERISTICS

Antipluviol is a colourless liquid based on silicon compounds in water, characterized by a high capacity to penetrate all absorbent building materials, making them water-repellent.

Antipluviol penetrates deeply and reacts with the natural moisture within the material to form a hydrophobic layer inside the pores and capillaries, thereby repelling rainwater and atmospheric moisture.

Because of this property, **Antipluviol** is an effective protective treatment against aggressive atmospheric agents that are carried into building materials by rainwater and atmospheric moisture.

Antipluviol does not form a film, so it does not alter significantly the water-vapor permeability and does not change the appearance of the treated surface.

Antipluviol exhibits excellent resistance to alkaline substrates found in cementitious building materials and to ultraviolet radiation, and maintains all its water-repellent characteristics unchanged over time.

RECOMMENDATIONS

Treatments with **Antipluviol** are not suitable for:

- horizontal surfaces, such as terraces and flat roofs (use **UltraCare Stain Protector W** or **UltraCare Stain Protector S**);
- walls subject to rising damp with salt transport;
- basements affected by negative-side moisture;
- elevator pits or any type of structures subject to water under pressure;
- basins or reservoirs containing water;
- gypsum surfaces;
- synthetic renders or surfaces finished with synthetic coatings.

Carry out a preliminary test to check for color changes in the substrate when using **Antipluviol** on natural stones, coloured renders, or other surfaces with uneven absorption.

APPLICATION PROCEDURE

Preparation of the substrate

Before carrying out the water-repellent treatment of surfaces, it is essential to remove dirt, dust, grease, oil, paint, salt efflorescence, moss, and weeds, which can prevent the penetration of **Antipluviol** in depth.

Although washing the surfaces with low-pressure water may be sufficient, it is recommend to use one of the detergents from the **UltraCare** range, such as **UltraCare HD Cleaner** or **UltraCare Multicleaner** (see the relevant technical data sheets).

If the surface is clean, it can simply be brushed with a stiff brush and then blown with compressed air to remove any dust.

Regardless of the cleaning method used, **Antipluviol** must be applied only on dry surfaces, since the presence of water hinders the product's penetration.

Preparation of the product

Antipluviol is ready to use and must not be diluted with water. Stir well before use.

Application of the product

For application of **Antipluviol** over large surface areas, the use of a manual backpack sprayer is recommended. For smaller surface areas or areas with numerous openings (e.g. windows), the use of a roller or brush is recommended instead.

Continue the application until the surface is fully saturated, applying multiple coats continuously, wet-on-wet.

For low-absobent materials, use **Antipluviol S**.

The effectiveness and durability of the water-repellent effect depend on how deeply the protective product penetrates the substrate.

This parameter is directly related to the absorbency of the substrate to be treated and the amount of product applied.

After the application of **Antipluviol** it is no longer possible to paint or coat the surfaces. Painting operations must be completed before applying the water-repellent treatment.

PRECAUTIONS TO BE TAKEN DURING PREPARATION AND APPLICATION

- Do not apply **Antipluviol** on damp substrates or on substrates that are not fully cured.
- Do not apply **Antipluviol** if the temperature is lower than +5°C or higher than +35°C.
- Do not apply **Antipluviol** in direct sunlight.
- Do not apply the product if it is about to rain or in windy weather.

CLEANING

Clean tools used to apply the product with water.

CONSUMPTION

The consumption ranges approximately from 0.2 to 1 L/m², depending on the absorbency of the substrate.

Below are some materials with their approximate consumption rates per single coat:

- Exposed brickwork: 0.30-1.0 L/m²
- Render or skim coat: 0.20-0.80 L/m²
- Stone (tuff): 0.50-1.00 L/m²
- Aerated concrete: 0.20–0.60 L/m²

PACKAGING

Antipluviol is available in the following package sizes:

- 5 L jerrycans
- 25 L jerrycans

STORAGE

24 months in a dry place away from sources of heat at a temperature of between +5°C and +35°C. Protect from frost.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the SDS available from our website www.mapei.com

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY	
Consistency:	liquid
Colour:	transparent
Density:	approx. 1.02 g/cm³

Solid content by weight:	approx. 5%
Brookfield viscosity:	approx. 10 mPa·s (rotor 1 - 100 rpm)

APPLICATION DATA	
Dilution rate:	ready to use
Drying time:	1-2 hours
Application temperature:	from +5°C to +35°C

FINAL PERFORMANCE	
Water absorption coefficient by capillarity W_{24} (EN 1062-3) [kg/(m²·h$^{0.5}$)]:	
- cladding bricks:	0.04 (15.60 saturation)*
- traditional render:	0.05 (10.40 saturation)*
- tuff-type stone:	0.07 (6.80 saturation)*
- cementitious skimming coat:	0.38 (15.60 saturation)*

The values in brackets refer to the same substrate not treated with **Antipluviol*

According to norm EN 1062-3, when W_{24} is below 0.1, the product falls into Class III, corresponding to low water absorption

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

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The most up-to-date TDS can be downloaded from our website www.mapei.com.

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Mapei S.p.A.

Via Cafiero, 22, 20158, Milano

+39-02-376731 www.mapei.com mapei@mapei.it

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