

Antipluviol

Colourless water-repellent primer based on silicon compounds in water solution



WHERE TO USE

Colourless protection against rain of exposed concrete structures, cement renders, cellular cement, facebricks, exposed concrete blocks, natural and artificial stone, etc.

Some application examples

- Repair of plastered walls exposed to rain.
- Colourless water-repellent protection of period buildings or those of special architectural value.
- Water-repellent treatment of walls and facebricks and natural stone.

TECHNICAL CHARACTERISTICS

Antipluviol is a colourless liquid based on silicon compounds in water ideal for impregnating all absorbent mineral materials used in building.

Applied to a porous surface, **Antipluviol** penetrates deeply and reacts with natural humidity to form a water-repellent layer inside pores and capillaries.

Without altering appearance, **Antipluviol** provides efficient protection against aggressive atmospheric agents that penetrate structures with rainwater.

Antipluviol does not form a film on the surface. Therefore, the material's permeability to water vapour is not modified and the appearance of the surface remains practically unaltered.

Antipluviol has excellent resistance to the alkalinity present in cement materials and to ultraviolet rays.

RECOMMENDATIONS

Impregnation with **Antipluviol** is unsuitable for waterproofing:

- horizontal surfaces (terraces);
- basements;
- water tanks;
- lift wells and areas subject to water under pressure;
- gypsum surfaces;
- synthetic plasters and surfaces decorated with synthetic paint.

DIRECTIONS FOR USE

Preparing the substrate

Before application, it is essential to remove all dirt, dust, grease, oil, paint, salt efflorescence, moss and weeds from the surface that might prevent **Antipluviol** from penetrating deeply.

For old surfaces, the choice of cleaning system will depend on the kind of dirt involved. Washing with cold water is generally sufficient.

TECHNICAL DATA (typical values)	
PRODUCT IDENTIFICATION	
Appearance:	transparent liquid
Density (g/m ³):	1.02 ± 0.02
Solids content (%):	5
Storage time:	12 months in unopened original packaging in a dry place
Brookfield viscosity (mPa·s):	10 (shaft 1 - 100 revs)
Hazard classification according to EC 1999/45:	irritant. Before using refer to the "Safety instructions for preparation and application" paragraph and the information on the packaging and Safety Data Sheet
Customs class:	3824 90 95
APPLICATION DATA	
Surface drying time:	1-2 hours
Operational temperature range:	from +5°C to +30°C
FINAL PERFORMANCES	
Capillary action water absorption coefficient W ₂₄ (UNI EN 1062-3) [kg/(m ² ·h ^{0.5})]:	
– facing bricks:	0.04 (15.60 saturation)*
– conventional render:	0.05 (10.40 saturation)*
– tuff stone	0.07 (6.80 saturation)*
– cementitious smoothing layers:	0.38 (4.90 saturation)*
* The figures in brackets refer to the same substrate not treated with Antipluviol	
The product is considered as class III according to UNI EN 1062-3 standards with a value of W ₂₄ < 0.1, which corresponds with low water absorption	

Cleaning with hot water or steam is particularly useful if there is grease or oil on the surface.

If there is no surface dirt, scrub carefully with a scrubbing brush and remove dust with compressed air.

Whatever the cleaning system used, **Antipluviol** should only be applied to dry surfaces. If water is present, it is unable to penetrate deep down into the material.

Preparing the product

Antipluviol is ready to use and should not be thinned with water.

Applying Antipluviol

The efficacy and durability of **Antipluviol**'s water-repellent action depends on the

depth of penetration of the primer. This parameter is directly proportional to the absorbency capacity of the material to be treated and the amount of impregnator applied.

To apply **Antipluviol** evenly, it is advisable to use a roller or brush.

Once **Antipluviol** has been applied, the surface cannot be painted.

In order to apply **Antipluviol** evenly, we recommend using a back-pack spray gun for large surfaces, or a roller or brush for smaller areas.

Apply a number of coats until the surface is completely saturated; apply each

successive coat while the previous one is still wet.

Cleaning

Tools used for impregnation can be cleaned with water.

CONSUMPTION

Coverage varies according to the absorbent power of the substrate in general:

- concrete: approx. 0.10 kg/m² per coat;
- cement render: 0.20 kg/m² per coat;
- facebricks: approx. 0.20-0.50 kg/m² per coat;
- natural stone: approx. 0.10-0.50 kg/m² per coat.

PACKAGING

Antipluviol is available in 25 and 5 kg drums.

STORAGE

Antipluviol can be stored for 12 months in closed packaging in a dry place indoors. Protect from frost.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Antipluviol is irritant for eyes and skin.

Use protective gloves and goggles when handling the product.

If in contact with eyes, rinse immediately with plenty of water and seek medical advice.

Further information is available on the product Safety Data Sheet.

FOR PROFESSIONAL USERS.

WARNING

Although the technical details and recommendations contained in this 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 applications; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from use of the product.

**All relevant references
for the product are available
upon request and from
www.mapei.com**

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