New Guard Coatings Group

A global reputation to protect.

The information herewith is given with the best of New Guard Coatings Group knowledge.

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This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

ANTIPLUVIOL W

Colourless, silane and siloxane-based water-repellent impregnator in watery emulsion

WHERE TO USE

High-penetration, colourless water-repellent treatment for cementitious renders, cellular concrete, facing bricks, face concrete, natural and artificial stone against heavy rain.

Some application examples

- Restoration treatment for damp rendered walls exposed to the eroding action of rainwater.
- Colourless, water-repellent protective layer for historical buildings of architectural interest.
- Water-repellent treatment for walls, facing bricks and natural stone.

TECHNICAL CHARACTERISTICS

Antipluviol W is a milky, silane and siloxane-based dispersing agent in watery emulsion, characterised by its high capacity to penetrate all absorbent mineral materials used in the building industry to make them water repellent.
When applied on a porous substrate, **Antipluviol W** penetrates deep down and reacts with the natural humidity present in the said substrate to form a hydrophobic, water-repellent layer inside the pores and capillaries.
Thanks to this property, **Antipluviol W** forms an efficient barrier against aggressive agents present in the atmosphere, which are carried into the material by rainwater. The water-repellent treatment formed by **Antipluviol W** also improves the self-cleaning effect of the façade and reduces the capacity of moss and mildew from adhering to the material.
Antipluviol W 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 W has excellent resistance to alkalinity and UV rays and maintains its water-repellent properties over a long period of time.

RECOMMENDATIONS

Antipluviol W is not suitable for impregnating the following:

- horizontal surfaces (e.g. terraces);
- basements;
- water tanks;
- walls subject to rising damp which carries salts;
- lift shafts and other areas subject to water under pressure;
- gypsum surfaces;
- synthetic render or render decorated with synthetic paint.

Carry out a preliminary test to ensure no colour changes take place on the substrate when **Antipluviol W** is to be used on natural stones, coloured renders or on other types of substrates which show no uniform absorbency.

APPLICATION PROCEDURE

Preparation of the substrate

Before impregnating the surface, it is essential that all dirt, dust, grease, oil, paint, saline efflorescence, moss and weeds are eliminated to avoid hindering deep penetration of **Antipluviol W**.
The choice of which cleaning system to use on old surfaces depends on the type of dirt to be removed, but hosing down with cold water is usually sufficient.
Cleaning with hot water or steam is particularly suitable if oil or grease are present on the material to be treated.
If the surface is not dirty, brush the surface with a stiff brush and remove remaining material with compressed air.
Antipluviol W must only be applied on dry surfaces. If water is present, it is unable to penetrate deep down into the material.

Preparation of the product

Antipluviol W is ready-to-use and must not be diluted with water.
Shake well before use.

Application of the product

In order to apply **Antipluviol W** evenly, we recommend using a back-pack spray gun for large surfaces, or a roller or brush. Apply a number of coats until the surface is completely saturated; apply each successive coat while the previous one is still wet.
On substrates with poor absorbency, be careful not to form layers of the product during application. Go over the surface with a sponge float if necessary while the product is still wet.
The efficiency and lifetime of the hydro-repellent effect depends on the penetration depth of the impregnator.
This parameter is directly proportional to the absorbency capacity of the material to be treated and the amount of impregnator applied.
After applying **Antipluviol W**, water-based products may not be used to paint over the surface.

PRECAUTIONS TO BE TAKEN DURING PREPARATION AND APPLICATION

- Do not apply **Antipluviol W** on damp substrates or on substrates that are not well cured.
- Do not apply **Antipluviol W** if the temperature is lower than +5°C or higher than +35°C (the surface must be dry in all cases and must never be exposed to direct sunlight).
- Do not apply **Antipluviol W** if the level of humidity is higher than 85%.
- Do not apply **Antipluviol W** if it is about to rain or in windy weather.

CLEANING

Tools used for applying the product may be cleaned with water.

CONSUMPTION

The consumption rate is heavily influenced by the absorbency of the substrate, and varies approximately from 0.20-1 kg/m².
Listed below is a number of materials with their typical consumption rates:

- facing bricks: 0.50-0.75 kg/m²
- conventional render: 0.50-0.80 kg/m²
- tuff stone: 0.50-1.00 kg/m²
- cementitious smoothing layers: 0.20-0.40 kg/m²
- marble: 0.20-0.50 kg/m²

PACKAGING

Antipluviol W is supplied in 10 kg plastic drums.

STORAGE

24 months if stored in a dry place away from sources of heat and at a temperature between +5°C and +30°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 Safety Data Sheet, available from our website www.mapei.com.
PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY	
Consistency:	fluid liquid
Colour:	milky
Content of active substances:	8%
Density:	approx. 1.01 g/cm³

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

FINAL PERFORMANCES	
Capillary action water absorption coefficient W_{24} (EN 1062-3) [kg/(m²·h^{0,5})]	
– facing bricks:	0.04 (15.60 saturation)*
– conventional render:	0.03 (10.40 saturation)*
– tuff stone:	0.06 (6.80 saturation)*
– cementitious smoothing layers:	0.05 (4.90 saturation)*
**** The figures in brackets refer to the same substrate not treated with Antipluviol W***	

The product is considered as class III according to EN 1062-3 standards with a value of W_{24} < 0.1, which corresponds with 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. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

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

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

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

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