

INVISIBLE SURFACE IMPREGNATION

FOR POROUS MINERAL SURFACES

*Durable effect: 10 years protection, depending on the location of the object, quality of the substrate and correct application of the product

Invisible: treated surfaces do not change colour

Treated surfaces become water and dirt proof

Unique hydrophobic technology: superior beading effect

Surfaces remain vapour permeable



For absorbent and porous, mineral surfaces such as facades, masonry and paving

Walls and insulation are kept dry, maximizing thermal resistance (preventing heat loss) which leads to energy savings



KOMO product certificate 'hydrophobic agents'



GRIFFON IS A BRAND OF BISON INTERNATIONAL

Griffon
Dr. A.F. Philipsstraat 9
P.O. Box 160
NL-4460 AD Goes
Tel. +31 (0)113235700
Fax. +31 (0)113232077
info@griffon.eu
www.griffon.eu



INVISIBLE PROTECTION AGAINST WATER & DIRT.

IPS-300® INVISIBLE SURFACE IMPREGNATION

- ✓ Water & dirt proof
- ✓ No change of colour
- ✓ Vapour permeable
- ✓ Hydrophobic technology



ENERGY SAVING & 10 YEARS PROTECTION*

INVISIBLE PROTECTION AGAINST WATER & DIRT

Griffon offers a new invisible surface impregnation for absorbent and porous, mineral surfaces such as facades, masonry, paving, terraces and pool copings. The treated surface becomes water and dirt proof. The surface does not change colour and remains vapour permeable.

IPS-300® penetrates deep into the surface to form a hydrophobic barrier in the pores, creating an invisible water protective layer. The hydrophobic technology (beading effect) becomes visible when the surface is wet.

The impregnation agent increases the thermal resistance of masonry as it keeps the surface dry, improving its thermal efficiency and insulation capacity, which leads to energy savings. IPS-300® provides 10 years protection* against rain penetration and dirt.

Technical specifications

IPS-300®



SPECIFICATIONS

Colour	Transparent
Colour after drying	Transparent
Density	Approx. 1 g/cm ³
pH value	Approx. 14
Shelf life	At least 18 months Limited shelf life after opening
Storage conditions	Properly sealed packaging should be stored in a dry, cool and frost-free location at a temperature between +5°C and +25°C

CURING TIMES** AND APPLICATION

Curing time	Approx. 24 hours
Working conditions	Do not apply if rain is expected within 4 hours and use at temperatures between +5°C and +35°C. Upon application, the surface temperature should not exceed 40°C
Resistance to water and dirt	After 12 hours
Maximum protection	After 7 days
Apply with	Pressure sprayer
Dilute	No
Usage***	Approx. 5 L IPS-300® per 13-17 m ² (2,5-3,3 m ² /L) of surface when applied in 2 layers (wet on wet)

PROPERTIES

Moisture resistance	Very good
UV resistance	Very good
Paintability****	Good

** Curing time may vary depending on surface, product quantity used, humidity level and ambient temperature.
*** Actual coverage depends on porousness of the surface, application method and weather influences.
**** Test in advance.



KOMO CERTIFIED

IPS-300® has successfully passed the independent testing and has received the KOMO product certificate "hydrophobic agents" based on BRL 1154.

KOMO tests performance, ageing and permeability of water vapour. This combination of properties gives a long-lasting protection.

THIS SHOWS THE EXCELLENT PERFORMANCE IN THE FIELD OF:

Penetration depth

Waterproofing

Durability: resistance to the combined effects of UV radiation, moisture and temperature

Water vapour permeability

POWERFUL PROPERTIES



Water & dirt proof Treated surfaces are water and dirt repellent: prevents moss and green algae growth, protects against frost damage, keeps the wall and insulation dry.



Vapour permeable The surfaces are dry but vapour permeable: rain is kept out and indoor condensation can escape.



No change of colour Protection without changing the visual appearance. Surfaces remain the original colour.



Hydrophobic technology Invisible hydrophobic impregnation penetrates into the top 6mm of treated surface. Keeps surface dry due to invisible surface impregnation. The 'beading effect' becomes detectable when the surface is wet.

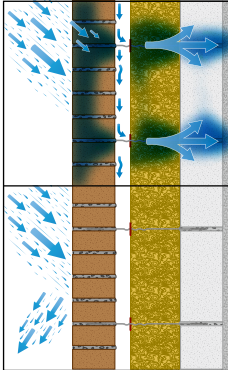
WE CARE ABOUT SUSTAINABLE CONSTRUCTION

IPS-300® is solvent free and contributes to energy efficiency and circular building as IPS-300® penetrates deep into the surface and reacts at molecular level to form a long-lasting hydrophobic barrier in the pores. The size of the active particles are 0,3 up to 1,5 nanometer resulting in a deep penetration of the surface.

Deep penetration ensures a good and long-lasting effect: keeps rain out, the surface dry and prevents moss and algae growth and damage due to frost. Note that treated surfaces stay vapour permeable: indoor condensation can escape. Dry walls lead to better insulation, resulting in less heat and energy loss. IPS-300® can help reducing maintenance and energy costs.



ENERGY EFFICIENT – DRY WALLS



Untreated

- ✗ Moisture penetrates through the wall decreasing the insulation capacity leading to energy loss.
- ✗ Higher indoor moisture levels lead to mould development.

Treated with IPS-300®

- ✓ Water doesn't penetrate the brickwork.
- ✓ Walls and insulation are kept dry, maximizing thermal resistance (preventing heat loss) which leads to energy savings.
- ✓ Indoor condensation is still able to escape.

STEP-BY-STEP PLAN: MAKE SURFACE WATER & DIRT PROOF



REQUIRED MATERIALS

- ✓ IPS-300®
- ✓ Pressure sprayer
- ✓ Masking tape/film

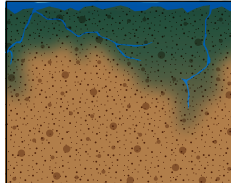
- 1 Make sure surface is clean and dry.
- 2 Mask surfaces that will not be treated.
- 3 Shake jerrycan before use and fill pressure sprayer. Spray small sections of 1 - 2 m² from top to bottom. Apply second layer 'wet on wet'. Let the impregnated surface dry.
- 4 Result: surface is water and dirt proof after 12 hours. Maximum protection after 7 days.

GENERAL TIPS

- 5 L of IPS-300® is sufficient for approximately 13-17 m² (2,5-3,3 m²/L) of surface when applied in 2 layers (wet on wet). ***
- Do not apply if rain is expected within 4 hours.
- IPS-300® may also be applied with brush or roller.
- Use water to clean tools afterwards.
- Use at temperatures between +5°C and +35°C. Upon application, the surface temperature should not exceed 40°C.
- Protect materials and objects in vicinity like window frames, windows and plants.
- In case of spillage wipe off any residue before the product dries and clean with water.
- Wear protective gloves and eye protection.

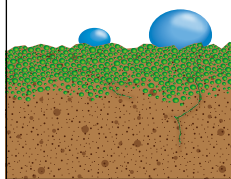
Note: once the treated surface is dry, it's not possible to apply an additional layer. Excessive use may cause a white deposit.

HOW DOES IT WORK?



Untreated

- ✗ Moisture penetrates into surface.



Treated with IPS-300®

- ✓ Invisible surface impregnation penetrates into the top 6mm of treated surface and forms a long-lasting waterproof barrier.
- ✓ Keeps surface dry due to invisible surface impregnation. Surface remains vapour permeable.