

TIKKURILA

HYDROBLOCK WB

WATERBORNE IMPREGNATING AGENT THAT CREATES WATER-REPELLENT SURFACE

DESCRIPTION

Waterborne impregnating agent.

RECOMMENDED USES

Typical applications are houses, commercial buildings, industrial, warehouse etc facades, roof tiles and pavings.
For most mineral materials, such as brick, calcium-silicate brick, aerated concrete, concrete, exposed-aggregate concrete, rendered and mineral facade board surfaces.

PRODUCT FEATURES

HydroBlock WB is a transparent waterborne impregnating agent that penetrates well into the substance and reacts chemically with the substrate. Very suitable for “tight” mineral surfaces. It creates a water repellent surface that prevents capillary penetration of rain and splashes of water into the structure. Allows water vapour coming from inside the structure to pass through. Reduces salts moving to the surface of the structure. Does not form a superficial film. Reduces the growth of algae, green discolouration and prevents frost damages.

EPD Verified

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

HYDROBLOCK WB

TECHNICAL DATA

Colour Shades	Transparent
Gloss	-
Coverage	4 -8 m²/l The practical spreading rate depends on application method, form and surface of the material.
Can sizes	5 l, 25 l, 1000 l
Thinner	Water Ready-to-use mix, no need to dilute.
Application method	Brush, roller or low-pressure sprayer When using brush or roller, the application is more difficult due to the low viscosity. When using spray, apply at 0,5 – 1 bar. Adjust the pressure to minimize atomisation.
Drying time	The drying time for wet layer thickness 200 µm 20° C / 65 % RH: Touchdry after ~3-4 hours, Dry after ~4-6 hours, Fully cured after ~6 days. The drying time depend on layer thickness, temperature, relative air humidity, and air circulation.
Density (kg/l)	0.95 - 1 kg/L ISO 2811.
Storage	Protect from frost and direct sunlight. Close can carefully for next use. Must be protected from frost. Should not be stored in temperature above +30°C. Protect from frost

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APPLICATION INSTRUCTIONS

Application conditions
The temperature must be between 5° C and 30° C and relative humidity <85 % RH.

Mixing components
Ready-to-use mix, no need to dilute.

Surface preparation
Clean the surfaces from dirt, dust and salts. Clean the surface with Iso A-Clean according to instructions.
The surface must be totally dry, clean and absorbing to ensure good penetration.

Application
Soak the surface with HydroBlock WB till saturation point by spraying “wet on wet”.
HydroBlock WB must be applied in 1 – 2 “layers” in order to obtain the best result.

Avoid application of the product in presence of strong wind or rain as this may cause stains or blotches.
A surface already treated with a water-repellent product will not allow the penetration of other impregnating agents (hydrophobic solvents).
Liquid not absorbed can cause stains on the surface – these are very difficult to remove.

All splashes, if any, must be wiped away from windows immediately. It is recommended to cover windows before applying HydroBlock WB.
Newly plastered or rendered walls must be fully hardened and dry before the application of HydroBlock WB.

Always make a test coat to ensure the compatibility of product and surface.

Cleaning of tools
Clean the tools with water and soap. Clean tools immediately after use with water and soap.

Maintenance treatment
The maintenance treatment for a surface treated with Hydroblock WB is Hydroblock WB. The substrate must be adequately water absorbing and the possible earlier treatments can have an effect on the success of the treatment.

Environmental protection and waste disposal
Destroy liquid waste according to the local regulations for hazardous waste. Recycle empty, dry cans or dispose them of in accordance with local regulations.

Health and Safety
The product is not classified as dangerous. Wear protective gloves. Safety data sheet available on request. Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction.

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