



TIKKURILA

HYDROBLOCK SB

IMPREGNATING AGENT THAT REACT CHEMICALLY WITH THE SUBSTRATE

DESCRIPTION

Solventborne, hydrophobic impregnating agent.

RECOMMENDED USES

Facades, floors in e.g. warehouses, roofs of fibre cement, concrete and clay, paving stones and other materials of mineral origin, such as bricks, sand-lime bricks, mortar, sandstone, granite, and mineral plaster/render.

PRODUCT FEATURES

HydroBlock SB is a transparent solventborne, hydrophobic 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.



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 SB

TECHNICAL DATA

Gloss	-
Coverage	4-8 m ² /l The practical spreading rate depends on application method, form and surface of the material.
Can sizes	25 l
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 1-2 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)	1
VOC	Avoid spillage into drains, water systems and soil. Destroy liquid waste according to the local regulations. Recycle or dispose of empty, dry cans in accordance with local regulations.

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APPLICATION INSTRUCTIONS

Application conditions

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

Surface preparation

The surface must be totally dry, clean and absorbing to ensure good penetration.

Clean the surfaces from dirt, dust and salts. Wash moldy, mossy and similar surfaces with with Iso A-Clean according to instructions.

Application

Soak the surface with HydroBlock SB till saturation point by spraying "wet on wet".

HydroBlock SB 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.

Splashes, if any, must be wiped away from windows immediately. It is recommended to cover windows before applying HydroBlock SB.

Newly plastered or rendered walls must be fully hardened and dry before the application of HydroBlock SB.

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

Maintenance treatment

The maintenance treatment for a surface treated with Hydroblock SB is Hydroblock SB. 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

Avoid spillage into drains, water systems and soil. 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

Contains: hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics. **Danger.** May be fatal if swallowed and enters airways. Avoid breathing mist/vapors/spray. **IF SWALLOWED:** Immediately call a POISON CENTER or physician. Do NOT induce vomiting.



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HYDROBLOCK SB

EN 1504-2

Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 2: Surface protection systems for concrete

	
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Tikkurila Oyj Heidehofintie 2 FI-01300 Vantaa	
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TIK-A063-2022	
EN 1504-2	
Product for protection and repair of concrete structures – Hydrofobic Impregnation.	
Depth of penetration	Class I: < 10 mm
Release of dangerous substances	NPD
Water absorption and resistance to alkali test for hydrophobic impregnation	Absorption ratio < 7,5% compared with the untreated specimen. Absorption ratio < 10% after immersion to alkali solution
Drying rate for hydrophobic impregnation	Class I: > 30 %

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