

Hydrobarrier 244

Let's shine

Solvent-free water repellent for concrete

CHARACTERISTICS

HYDROBARRIER 244 is a 100% active, solvent-free treatment that penetrates deeper than traditional silane and siloxane protective agents in both solvent and water systems.

HYDROBARRIER 244 provides transparent, non-film, non-yellowing, fully breathable protection. It penetrates the substrate and chemically binds with silica to form a deep hydrophobic layer that prevents water, contaminants and chlorides from penetrating the substrate and damaging it. By combining low surface tension with a reaction, **HYDROBARRIER 244** can move through the layer of humidity that delimits the pore structure of the substrate, which allows uniform penetrations to the gradient and therefore a constant level of protection throughout the depth of penetration. **HYDROBARRIER 244** is suitable for use on on-site casting, precast, concrete and GFRC to protect the reinforcing steel from corrosion due to the effects of water, dejection salts and other contaminants. It reduces deterioration of the concrete caused by silica-alkaline reactivity. It is also suitable for treating surfaces or areas worn by high salt concentrations such as docks, coastal buildings, etc. to provide protection against chlorides in general. Non-absorbent substrates, e.g. glass, wood, plastic and metal cannot be treated. Avoid contact with asphalt as it will damage it.

HOW TO USE

PREPARATION OF THE PRODUCT: **HYDROBARRIER 244** is ready to use and it should not be diluted.

APPLICATION: apply **HYDROBARRIER 244** by flow-coating until the point of saturation. All liquid dispensing devices are suitable (e.g. airless spray guns). The material must not be atomised or applied by brush.

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is a line:

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Hydrobarrier 244



25 lt

ADVANTAGES

- The system is breathable to water vapour;
- It significantly reduces the amount of water entering the substrate;
- It reduces deterioration from AAR and ASR;
- It penetrates deeply into the substrate;
- It does not alter the surface appearance;
- High resistance to alkaline attack;
- Long service life;
- Excellent performance on wear surfaces;
- Fast drying time after application (1 hour);
- It keeps substrates cleaner ;
- It is particularly suitable for water-repellent impregnation of mineral building materials in outdoor areas;
- It significantly reduces absorption of water and soluble salts (e.g. chlorides);
- It protects against fine cracks up to 0.3 mm;
- Ready to use.

APPLICATION DATA

Suitable substrate	Indicative consumption	Application procedure
Concrete	min. 150 gr/m ²	Low pressure pumping
Kliker masonry	min. 150 gr/m ²	
Ceramic tiles	approx. 100 gr/m ²	

	Value	Unit	Method
Active in solid	98-100	%	
Solvent	Free		
Flash point	63	°C	DIN 51755
Density (20°C)	0.88	gr/cm ³	DIN 51757
Viscosity	0.95	mPa.s	
Boiling point	approx.186	°C	DIN 51751

INDICATIVE COVERAGE

Consumption ranges from 7 to 25 m2 per litre. Coverage rates on the surfaces depend on the type of substrate to be treated and the finish.

STORAGE

The product must be stored in the original containers, tightly sealed, protect from direct sunlight and from frost and in ventilated areas. In these conditions the product has a duration of 12 months from the date of the delivery note. If the material will be kept in storage beyond the recommended stability period, it will not necessarily be considered unusable but a quality control must be performed on the characteristics relevant to the application.

LIMITS OF RESPONSIBILITY

We decline all responsibility for work and damage which might result from improper or incorrect use of the product. The indications supplied with our product specifications and instructions for use are the results of accurate laboratory tests and experience in the field. However, as it is not possible to forward other evidence, when the products are used, these indications shall not be binding and do not imply liability on our part. As well as following good working practices, before applying the product we recommend you read the safety recommendations and the directions on the package.

For the best professional results, it is advised to test a small area first, for compatibility with the surface to treat and the desired effect. This preliminary testing is also useful to determine the consumption according to the characteristics of the material the product will be used for and to the type of processing. The reproduction, even partial of this product sheet is forbidden. The data refer to the standards in force at the time of printing, 2013. The company reserves the right to make any changes without notice.

PRODUCT FOR PROFESSIONAL USE

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