

HYDRO REPELLENTS

BKK eco

Water based transparent and breathable hydro repellent for facades

Colourless coating, water siloxane based, suitable to protect absorbent walls made of bricks, stone, cement etc.. from wind driven rain. It does not alter the colour of the masonry, it protects from ice, it blocks damp, it allows the evaporation of water and it can be used also on slightly wet materials.

BENEFITS

- Do-it-yourself – easy and quick to apply
- Long lasting water repellency
- Permeable to water vapour
- High resistance to weathering agents and UV rays
- It does not alter the colour of the masonry
- It avoids efflorescences and moulds on masonry
- Having a low molecular weight, BKK eco penetrates in deep. Impregnation is invisible, extremely stable to lime and permeable to water vapour
- Solvent free

APPLICATION FIELDS

- Water repellent impregnation on mineral based building materials.
- Precautionary treatment against carbonation of exposed concrete.
- Clear water repellent protection of old buildings or with high architectural value.
- Water repellent treatment of walls and exposed bricks, natural stones or non glazed ceramic.
- Inside water repellent impregnation of bathrooms, shower boxes and kitchens.

YIELD

Bricks: 0,20 - 0,30 l/m².

One gallon covers up to 163 sq ft.

Stones: 0,30 - 0,70 l/m².

One gallon covers up to 82 sq ft.

COLOUR

Clear.

PACKAGING

5 l (1,30 gal U.S.) plastic bucket.

Pallet: 20 boxes (4 pieces each) for the 5l (1,30 gal U.S.) package (total 400 l) (105,60 gal U.S.).

STORAGE

Store the product in its original containers in well ventilated areas, away from sunlight and ice, at temperatures between +5°C and +35°C (+41°F and +95°F).

Storage time: 24 months.

PREPARATION OF SUPPORT

- Substrate temperature must be comprised between +5°C and +35°C (+41°F and +95°F).
- Thoroughly clean the surface to treat. The cleaning method depend on the type of surface, generally cold water wash is enough. Remove fungus and efflorescences. With oils or greases it is necessary to clean with hot water or steam. Do not use detergents.
- Fill any leaks with a cement based putty.
- Considering the wide range of bricks and stones present on the market, it is suggested to verify the correct application and the resulting visual effect.

MIXING

The product is ready to use and it does not need to be mixed.

APPLICATION

1. Apply a first abundant coat of *BKK eco* by brush or spray, taking care to completely cover the entire surface.
2. Apply a uniform second coat before the first coat is completely dry.
3. Repeat the application until saturation. Generally for a complete impregnation 2-3 coats applied every one hour are sufficient.
4. The best result can be achieved on a dry and absorbent surface.

Hydro repellent – Transparent coatings

Whereas all indications and recommendations supplied herein are stated to the best of our experience and knowledge, they should nevertheless be considered as indicative only and should be confirmed by exhaustive practical applications. Products can be tested in a closed environment (lab) but job specific features of a project can effect the performance of these products from project to project.



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Technical Data

Features		Unit
Yield	bricks 0,20 - 0,30 One gallon covers up to 163 sq ft. stone 0,30 – 0,70 One gallon covers up to 82 sq ft.	l/m ² 1 gal U.S. x ft ²
Aspect	liquid	-
Colour	clear	-
Odour	none	-
Dilution	do not dilute	-
Application temperature	+5 /+35 (+41/+95)	°C (°F)
Waiting time between 1st and 2nd coat (T=20°C (+68°F); R.H. 40%)	1	hour
Drying time (T=20°C (+68°F); U.R. 40%)	4	hours
Storage	24 months in original container and dry places	months
Packaging	5 (1.30 gal U.S.) plastic bucket	l (gal U.S.)

Final performance		Unit	Regulation	Result
Weathering Test	1680 hours (10 years*)	hours / years	UNI EN ISO 11507 ASTM D4587	-

Vapour permeability (μ) 7 - - highly breathability

1680 hours of weathering test is equal to about 10 years. This equivalence is merely indicative and it may vary depending on weather conditions.
* The above data, even if carried out according to regulated tests are indicative and they may be change when specific site conditions varv.

DRYING TIME

At 20°C (+68°F) and 40% relative humidity level, the product drying time is 4 hours.

- Drying time is influenced by relative humidity level and by temperature and may change significantly.

SUGGESTIONS

- Do not apply at temperatures lower than +5°C (+41°F) or higher than +35°C (+95°F).
- During summer season apply in the cooler hours of the day.
- Never apply in case of imminent threat of rainwater, in presence of strong fog and relative humidity level higher than 70%.

- Not suitable to waterproof horizontal surfaces, basements, water basins, gypsum surfaces, elevator shafts or other structures subjected to ponding water or under pressure.
- BKK eco can be over painted with water based paints.

CLEANING

Wash tools with white spirit (turpentine).

SAFETY

For the handling, see product safety data sheet.

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