

Epicuro Hydrophobic Bridgeguard

For the permanent protective treatment of concrete structures.

PRODUCT DESCRIPTION

Epicuro Hydrophobic Bridgeguard is the leading concrete protection product for use on all concrete structures. Featuring 0.0% Volatile Organic Compounds (VOC) it is Epicuro's flagship product for responsible green engineering.

Due to its unique formulation, surfaces treated with Hydrophobic Bridgeguard are resistant to oil, rad dirt, atmospheric staining and graffiti paints and inks.

Epicuro Hydrophobic Bridgeguard is a single component, safe to use and environmentally friendly water-borne product (non-toxic, solvent and silicone-free).

Epicuro Hydrophobic Bridgeguard is a permanent, colourless, non-film-forming treatment that keeps the surface permeable to air and water vapour. It is UV-resistant and does not discolour with age.

A surface treated with **Epicuro Hydrophobic Bridgeguard** will stay cleaner, benefit from an increased lifespan and be easier to maintain.

Epicuro Hydrophobic Bridgeguard prevents deterioration caused by frost attack, acid rain and contaminants such as salts, oils, greases, fuels, and graffiti. It also combats the development of moss and vegetation.

Related Epicuro products are HBG and HBG-HD for façade and pavement protection.

ADVANTAGES & CHARACTERISTICS

- Unique 0.0% VOC product.
- 15 years manufacturers guarantee available.
- Prevents freeze-thaw deterioration.
- Resists Carbonation by surface repellence.

- Invisible Anti-Graffiti and Anti-Stain protection.
- Applicable to vertical and horizontal surfaces.
- Prevents penetration of water and oily liquids.
- Non-film-forming treatment that allows treated surfaces to breathe.
- Water-borne product, non-hazardous and non-toxic.
- Solvent and silicone-free. Non-flammable product.
- 95%+ biodegradable according to OECD standards.
- UV-resistant, doesn't discolour treated surface.
- Used to preventing moss and lichen recurrence.
- Easy to use, apply by spray, brush, or roller straight from the container.

TECHNICAL DATA

Physical state at 20°C	: Liquid
Colour	: Colourless
Odour	: None
pH	: 8±0.5
Boiling Point [°C]	: 100 °C
Density	: 1.0 Kg/l
Solubility in water [vol/vol]	: Fully soluble
Flashpoint [°C]	: N/A
VOC	: 0.0% g/l

INSTRUCTIONS FOR USE

- Ensure the surface to be treated is clean, dust-free and touch dry before applying the product.
- Remove all atmospheric pollution-related dirt from all surfaces to be treated before starting the treatment. Jet wash if necessary, but allow the surface to dry completely before application and

FIND OUT MORE ABOUT EPICURO AT WWW.EPICURO.CO.UK

confirm that the surface has sufficient absorbency (trial area suggested).

- Apply only when the surface temperature is in the range +5°C - +30°C.
- Do not apply if rain is expected within 4 hours.
- Use directly from the container, shaking well before use. Do not dilute. The treated surface should be impregnation to saturation point. Apply 1-2 coatings uniformly with a brush, roller or low-pressure spray equipment, keeping the surface saturated with the product in between coats. On vertical surfaces apply from the bottom up.
- Drying time: 1-2 hours (subject to ambient temperature). Full resistance to graffiti and liquids will develop over 5-7 days following application.

CLEANING OF EQUIPMENT

Clean tools and equipment with water immediately after use.

RECOMMENDATIONS

Repair cracks and other defects prior to application, using appropriate products.

Only treat surfaces which have been cleaned of any atmospheric pollution.

CONSUMPTION

Consumption depends on the porosity of the concrete or other substrate. The value below is given only as an indication:

Structural concrete 0.2l/m²

PERFORMANCE

Guaranteed for 15 years (Approved Applicator Applied)

STORAGE

Store away from frost and heat in a dry place: temperature between 5 °C and 30 °C.

SHELF LIFE

Provided the container is kept closed whilst not in use and kept within the recommended storage temperature: storage life 12 months.

CHEMICAL PROPERTIES

Aqueous fluoropolymer dispersion.

PACKAGING

20 and 1,000 Litre IBC containers.

APPROVED APPLICATOR SCHEME

Approved Applicator training in product 'technology and application' is provided by Epicuro Protective Materials Ltd.

HEALTH & SAFETY

Always refer to product MSDS prior to use to ensure appropriate PPE is used.

- **Respiratory protection:** Under normal conditions of use, where adequate ventilation is available, no special respiratory protection is needed.
- **Hand protection:** Wear rubber gloves.
- **Skin protection:** No special clothing or skin protection is recommended under normal conditions of use.
- **Eye protection:** If there is a risk of splashing, wear protective goggles.
- **In the event of ingestion:** do not induce vomiting. Contact a doctor or a specialist.

KEEP OUT OF THE REACH OF CHILDREN

TECHNICAL ASSISTANCE

Epicuro Protective Materials Ltd

54 Oxford Road, Denham, Uxbridge, UB9 4DN

+44 (0) 20 7125 0071

Info@epicuro.co.uk

www.epicuro.co.uk

Important: The content of this documentation is based on our experience of the product. Epicuro Protective Materials Ltd guarantees the quality of its products, but expressly declines any liability in the event of failure by

FIND OUT MORE ABOUT EPICURO AT WWW.EPICURO.CO.UK

TECHNICAL DATA SHEET



the user to comply with the recommendations and conditions of use of said products, notably but not exclusively in the event of incorrect application, application by unqualified personnel, use of products not compatible with Epicuro's products or bad weather conditions. For further information, refer to the safety data sheet.

Date of last update: 21/03/2022

FIND OUT MORE ABOUT EPICURO AT WWW.EPICURO.CO.UK

Protecting for the Future | +44 (0) 20 7125 0071 | info@epicuro.co.uk
54 Oxford Road, Denham, Uxbridge, UB9 4DN