



Technical Information Pack

Concrete



HORSEMEN

■ C A R E ■

Protection

Protection against the Environment –
e.g. Rain, UV damage

Protection against costly maintenance –
e.g. pressure cleaning, chemicals

Protection against contamination –
e.g. adhesion of algae



Innovation

Natural impregnating wax technology

Exceeds performance of traditional materials – e.g. UV-resistance

Waterbased VOC free easy to apply

CONCRETECARE is a colourless water based impregnating wax used for the protection of concrete substrates of all types. Exclusively made from natural raw materials. Formulation is enhanced by the introduction of microscopic glass beads to effectively fill the pores of the substrate.

CONCRETECARE is a fine wax emulsion free of VOC's and without silicate.

Siloxa or silane based technologies. There is little or no change in the aesthetic appearance of the surface. The surface remains fully permeable to water-vapor exchange. Hydrophobic impregnation creates a water-repellent surface to keep water and aggressive watersoluble salts out. Algae and moss have limited adherence to the surface.

Suitable for the protection of a broad range of concrete substrates. Vapor permeable: allows the surface to breathe

Improves:

- Durability
- Water repellence (hydrophobic)
- Dirt repellence
- Maintenance life cycle (lower costs & easy management)

ConcreteCare

PROPERTIES

- Excellent penetration due to the fine wax emulsion
 - Protection into the pores of the concrete
 - Limited adhesion of green algae and moss
 - Invisibly protects the original aesthetics of the building
 - Ready-to-use
 - Easy to apply
 - Easy-to-remove
 - Eco-friendly: no solvents – VOC-free
 - Safe for humans, animals and the environment
 - Allows the surface to breathe
 - After treatment: for a long period no need to power-wash the concrete – limiting surface damage and extending the life cycle



TECHNICAL DATA

- Outlook: Milky liquid
- Odour: Wax smell
- Density: 1
- Ph-value: 9,4
- Viscosity 12" / DIN.4mm
- Drying time: Dust free: 30 minutes – depending on roughness and porosity of the concrete substrate
- Final curing: 24 hours • Conditions: maximum 60% humidity >50C - <25C (surface temperature)

PREPARATION

- Shake and stir well before use and let product sit for 5 minutes. Please note that the microscopic glass beads have settled in the tin – they will dissolve after stirring. Use only on a clean surface.
- In case of algal and/or moss contamination: first remove algal growth.
- Substrate has to be sound, dry, free of dust, oil or other contaminants.
- Substrate should be cleaned by brush prior to application.

CONSUMPTION

First layer:

- 5-10 m²/litre, depending on the application method, porosity and the roughness of the concrete substrate.

Second layer:

- 10-20 m²/litre

The maximum protection is reached when the surface is saturated; the concrete substrate will not absorb more product (white residue will remain).

APPLICATION

Product is ready to use. Test an area to estimate the volume of product required for different surfaces. Check the surface temperature. Apply with brush or roller. Make sure that the pores of the concrete are completely filled up; recommended minimum application of two layers. The key is the penetration of ConcreteCare in the substrate; after each layer check the saturation of the concrete. For larger surfaces, use a low-pressure spraying system for product distribution, brush or roller to finish application. Clean brush or spray with warm water.

ConcreteCare

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