



Maintenance instructions RAW STONES Protector & Cleaner

How does the Stones Protector work and what does it do?

By treating mineral materials with our **RAW Stones Protector** the substrate becomes resistant to the absorption of polluting liquids. In standard concrete, the total surface area of 1 m² of visible concrete consists of 50,000 m² of internal surface area. These are the pores that have an open connection to the outside to a depth of 3 mm. In the normal, unprotected state, these pores will actively attract liquids. The smaller the pores, the stronger the sucking effect. (A pore with a diameter of a few hundredths of a micron will exert a force equal to a few hundred bar). By using the **RAW Stones Protector** and **RAW Stones Cleaner** products, the surface tension of the mineral substrate is reduced in such a way that liquids are repelled, while contaminating liquids have little or no adhesion. **RAW Stones Protector** leaves the pores open to ensure that the surface can continue to breathe, leaving the natural drying process of your floor unchanged.

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The protection of **RAW Stones Protector** works against all non-etching liquids. The treatment does not provide protection against stuck dirt that is caught or worn in the rough surface. Sweeping alone is not enough; the surface must be moistened to soak solid dirt particles and there must be enough water to dispose of these solid dirt particles. The rougher the surface, the more water will be needed. The substrate protected with **RAW Stones Protector** can be cleaned with hot water (60 °C) and with standard floor cleaner. Cleaning with hot water works better than with cold water. Polished surfaces with a low absorption capacity can best be cleaned with a standard floor cleaner in warm water.

After applying **RAW Stones Protector**, liquids will bead on the surface and give the surface a 'dry' appearance. Depending on the degree of wear, this sparkling effect will gradually decrease. However, the effectiveness of the protection will not decrease as a result. The internal protection remains unaffected by the operation of the **RAW Stones Protector** and is very long-lasting; after all, the internal surface is many times larger than the visible surface. Regular use of the special **RAW Stones Cleaner** ensures that the sparkling effect recovers on the surface, making cleaning easy. Unlike many other floor coating vapors **RAW Stones Protector** is open; therefore the pores are not closed. This allows liquids to penetrate the protected area under high pressure. Therefore, avoid cleaning with too much pressure. Prevent spilled polluting liquids from remaining on the surface for too long and preferably prevent them from drying up, leaving the residual solids present in the liquid on the protected surface.

Coffee, soft drinks, alcoholic beverages and fats should always be removed as quickly as possible with a cloth with hot water. If this does not happen within 24 hours, there is a chance that visible spots will remain. So respond in time to heavy pollution and increase the cleaning frequency in case of a high degree of pollution. Treat dried stains with a standard detergent in warm water or with **RAW Stones Cleaner**, following the warnings stated on the detergents. In all cases work in an area that is somewhat larger than the spot itself, preferably up to a natural limit; a threshold or the edges of the room.

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Recovery of an existing RAW Stones Protector substrate

RAW Stones Protector will gradually become less effective due to exposure to UV and/or mechanical wear. The speed at which the effect of the impregnation decreases depends to a large extent on the floor load. Visibly, nothing will change on the surface, only during cleaning you will notice that certain stains are more difficult to remove. The solution for this is to give the floor extra protection with the **RAW Stones Cleaner**. By intensively cleaning the floor with warm water containing 3 caps of **RAW Stones Cleaner**, followed by a drying period of a few hours, the operation of the **RAW Stones Protector** will remain intact. More information about the application of the **RAW Stones Cleaner** can be found on the relevant information sheets, which can be found on our website. Read it carefully before starting maintenance.

Finally: In case of doubt, ask us for advice, we are happy to help!

Technical description 2017

RAW Stones is a cement-bound product supplemented with epoxies, colour pigments, fibres and other natural resources. Due to the composition of the materials we can speak of a mineral product and RAW Stones must therefore be considered and treated as a natural stone. RAW Stones floors are very maintenance-friendly and thanks to a minimal floor thickness, the use of floor heating is also possible. The composition of RAW Stones conducts the heat in an excellent way.

RAW Stones Cleaner

RAW Stones Cleaner is a concentrated floor cleaner with a water-repellent effect after drying.

Product information

RAW Stones Cleaner is an environmentally neutral product with a unique combination of natural fatty acids that respond to the calcium present in many stone or concrete floors to form a water-soluble and dirt-resistant barrier. This temporarily prevents water-borne dirt from penetrating into the concrete or natural stone surface, simplifying daily maintenance. The joints are also cleaned and protected by the product. Remove any wax present before using the soap. RAW Stones Cleaner does not need to be rinsed or polished. In addition, the vapour surface remains open and the appearance remains unchanged.

PRODUCT CHARACTERISTICS

Description	Concentrated floor cleaner with a water resistant effect after drying
Appearance	Red viscose fluid
Flashpoint	Not applicable
Viscosity	≥ 1500 CP
pH	8,5
Solubility	Nil
Lifespan	Shelf life 1 year after opening
Consumption	MAX 20ml/10l water
Drying time	Let the floor dry well before walking on it

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Never step on the just mopped part and then onto the dry floor part; wet footsteps can remain visible after drying. RAW Stones Cleaner may only be used after 1 week on floors treated with RAW Stones Protector. Surfaces treated with RAW Stones Protector may only be cleaned with lukewarm water in the first week.

STORAGE

Shelf storage	2 years in unopened packaging
Storage	Dry, well ventilated, clean and on a dust free flat floor
Temperature	Product may NOT freeze. Ideal storage temp 5-30°C
Packaging	1 en 5 litre packaging

USAGE

For daily use and cleaning of RAW Stones;

Regular use	5-10 caps on 5 litre warm water
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EASY-TO-CLEAN

RAW Stones Cleaner is specially intended for maintenance of various natural stones, unglazed, terrazzo and concrete floors to protect against dirt and maintenance. RAW Stones Cleaner makes surfaces easy-to-clean, which means that dirt can be removed. We recommend regular cleaning. Safety data sheet available on request.

RAW Stones Protector

Permanent impregnation for (new) concrete and mineral surfaces.

Product information protector

RAW Stones Protector is a water-based impregnator that is used on highly alkaline mineral surfaces, in particular for fresh concrete. After drying, it forms a permanent protection system with strong hydrophobic and oleo phobic properties. RAW Stones Protector forms a microscopic thin layer directly below the surface, making it completely invisible in most cases. After 24 hours it is completely dry and walkable. The repellent effect of RAW Stones Protector is fully effective after 7 days. RAW Stones Protector is composed of acrylic copolymers stabilized in water. It penetrates deep into the pores and reduces surface tension. As a result, dirt gets less adhesion and can easily be removed (Easy-to-Clean). Floors treated with RAW Stones Protector may only be cleaned with water after 1 week.

PRODUCT CHARACTERISTICS

Description	One component, water based coating
Appearance	Low viscose liquid yellow-green clear liquid
Solvent	Water
Flashpoint	Not applicable, can give off harmful gases during combustion (CO / CO2)
Viscosity	1-2 m Only at 20°C
pH	8-9
Solubility in water	Completely
Vapor permeability	Vapor permeable
Lifespan coating	5 - 10 years, depending on weather condition and the degree of Mechanical wear of the substrate
VOC	<5% (m/m)
Consumption	3-8m ² /litre, less on a low porous substrate, to achieve saturation
Drying time	-2 hrs, depending on weather condition, fully effective after 7 days

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STORAGE

Shelf life	2 years in unopened packaging
Storage	Dry, well ventilated, clean and dustfree on a dry and flat floor
Stacking	Not more than 2 packages high on pallets, do not remove shrink film
Temp	Product may NOT freeze. Ideal storage temp 5-30°C
Packaging	1 and 5 liter packaging

USAGE

Stir well before use. Surface must be clean and wind-dry before application. Minimum processing temperature 5 ° C. Apply with spray, brush or roller. Application is always at least in one layer. Wet-in-wet application of 2nd layer is recommended for highly porous substrates. When using a spray gun, at low pressure (<4 bar), it is advisable to wear respiratory protection

EASY-TO-CLEAN

RAW Stones Protector is specially intended for newly laid concrete; this way, despite the high pH value, it can still be protected against dirt. RAW Stones Protector lowers surface tension and makes surfaces easy-to-clean, which means that dirt can be removed more easily. We recommend regular cleaning. A high pressure cleaner with hot water (max 80 ° C) and a lance with a flat jet nozzle can be used to remove dirt. Safety data sheet available on request.