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WATER- AND OIL REPELLENT IMPREGNATING PRODUCT FOR POROUS NATURAL STONES WITH UV-BLOCKER		CARE 1004

CARE 1004 is a water- and oil repellent impregnation product, specially designed for porous natural stones like limestone, sandstone, terrazzo, etc.

CARE 1004 contains extra additives with anti-algae, anti-fungi, anti-bacteria and UV-blocking properties which do not dissolve in water.

This gives a long term protection against the formation of water sensitive bacteria, mould and algae.

CARE 1004 forms a chemical and physical bond with the natural stones. After treatment there is no virtual change of the appearance of the natural stones.

CARE 1004 has good penetration properties.

The layer is completely vapor permeable. Therefore the substrate can dry continuously.

CARE 1004 protects the surface against pollution and acid rain.

Description:

The coating is water based micro emulsion of fluoropolymers with emulsion stabilizers. The emulsion is an opaque transparent and slightly foaming liquid. The density is like water.

Properties:

After the evaporation of the water a fluoropolymer layer is formed. This layer of a thickness of a few microns (1/1000 mm) is water and oil repellent. Complete drying process and effectiveness of the impregnation will take in approx. 24 hours at RH of max 70%. After staining the substrate with water or oily like products, the stain has to be absorbed with absorbing paper. Do not wipe the stain away. Oily stains can form a shadow or ring. This can be removed or strong reduced by cleaning with a detergent.

The uniform coated layer does not affect the appearance of the natural stone. Some stones may become slightly darker in colour. This is depending of the amount and thickness of the coating layer.

Technical Data:

Density: (Kg/dm³):1,016

pH-value: neutral, 6,5 – 7,5

Appearance: transparent opaque liquid

Odour: weak odour

Flash Point: N/A

Instructions:

For Use:

Care1004 is an opaque transparent and slightly foaming liquid. The odour is a specific weak odour that is not irritating. Shake well before use. The surface to be treated must be completely degreased and clean. Control the expiry date before use.

Directions for Use:



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To apply the coating, you can use a brush, roller or spray gun.
Use the product as is, do not dilute.

Brush:

A normal flat brush with pig hair is suitable.

Roller:

For larger areas, application with the roller is suitable. The best results are obtained with a roller with a sponge core. This type of roller avoids drips. The rollers of S.A.M. 5819 PROF for water based acrylic paint are recommended.

Spray:

A normal air spray gun with gravity feed cup or with siphon feed cup, can be used. The viscosity of Care1004 is 10,5 seconds Ford cup 4 mm. a spray nozzle until 1,2 mm can be used, 0,8 mm is recommended. The viscosity can be adapted with water. **DO NOT USE SOLVENTS.**

As alternative for the normal air spray gun, a low pressure spray gun can be used. Low pressure spray guns are portable, do not need a compressor and generate a oil free airflow. The spray gun of Wagner type W670 is suitable.

Avoid excess of coating liquid and remove excess within 15 minutes.

Do not allow the product to dry on the surface. Wipe excess product. Remove the excess with a cloth, moist with isopropanol. This is important for a surface which has a not uniform absorption property. Dark spots and uneven gloss can be the result.

Drying Time:

After approx. 20-30 minutes, depending on temperature and surface porosity.

Complete drying process and effectiveness of the impregnation will take approx. 24 hours. Do not stain with oil or water during the drying step.

Attention!

Some stones may become slightly darker in colour. In cases of doubt, try the product in an inconspicuous area prior to use.

The liquid product must sink into the stone. Do not allow the product to dry on the surface. Wipe excess product within 15 min. Dry residues must be removed within 24 hours.

Coverage:

depends on the application method, coating thickness and absorbency of the substrate. The coverage with the brush methode is approx. 2 m²- 10m²/ litre.

Further recommendations:

To clean the equipment, you can use tap water. Do not use solvents.

Because there are water repellent properties after the coating has dried, you need to coat wet on wet for multiple layers.



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Packaging and storage:**Packaging:**

5litre, 25litre, 200litre, 1000litre

Storage:

CARE 1004 in closed containers can be used upon 1 year

Protect packaging against direct sun light.

Keep packaging tightly closed.

Store in a dry area.

Avoid frost.

The product can separate after a long storage time. Stir and/or shake until homogeneous before use.

Safety:

Labelling is required for this material by **EG- Directives, 1999/45/EG**

Symbols:

Xi: irritant

N: dangerous for the environment

Before use, read Material safety data sheet

Material safety data sheet is available upon request.

Formulation:

Water based micro emulsion of fluoropolymers with emulsion stabilizers

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