

## RECKLI<sup>®</sup> -GRAFFIX BASIC

Permanent impregnation (graffiti protection)

### Properties

Graffix is a reliable transparent protection for concrete surfaces as well as for other hard but absorbent mineral substrates.

Graffix generates a hardly noticeable, breathable, open to water vapour diffusion and UV-stable protective impregnation with anti-stick properties.

Graffix is a water-based product with highly effective fluorine components, which produce a hydrophobic and oleophobic surface. The surface structure of the treated area remains unaltered. Graffiti can then be easily removed with the appropriate chemical cleaning agent and a hot water pressure washer.

### Application

#### Substrate:

Graffix protects concrete elements such as architectural concrete elements (e.g. concrete furniture, concrete buildings, bridges, halls ..) against scribbles and environmental pollution. This product is also suitable for other hard but absorbent mineral substrates (e.g. clinker bricks).

#### Limits:

Not applicable on emulsion paint and all other organic paint coatings, organically bound plasters and other non-mineral substrates.

It is also not possible to guarantee the permanent protection effect after several cleaning actions on sand-lime bricks, soft sandstones and other soft, absorbent, mineral surfaces.

#### General information:

One single coat application gives a visual match and offers at the same time an additional weather protection (hydrophobising).

### Technical data

Substance:	fluoropolymer, water
Processing temperature:	min. + 5° C
SD-values:	0,02
Drying time:	24 hours (at 20° C and normal air humidity)
Storage:	keep in a cool but frost-free place
German Water Hazard Class:	WGK 1

### Tools

Graffix is ready for use and is not to be diluted. It can be applied by means of a pump sprayer with immediate spreading (short nap roller), of airless-spraying (0,015 inch/0,38 mm nozzle with a 20° beam angle, 40 bar, 50 cm wall distance, 30 cm blasting cone) or of a short nap roller (varnishing roller) in crosswise application.

### Preparatory measures

The object as well as the ambient conditions have to be checked. Testing fields must be operated in order to trace any optical change of the substrate. Do not apply Graffix on water-repellent surfaces! In any case the surfaces must provide good water absorption. The objects have to be cleaned from any kind of dirt. Afterwards allow the surface to dry (at least touch dry).

- Application in concrete plants:

**Uncolored concrete:**

At the earliest 8 hours after the demoulding and cleaning of the concrete element

**Colored concrete:**

At the earliest 5 days after the demoulding and cleaning of the concrete element

**Disturbing influences:**

Humid and wet surfaces, high air-moisture, frost, direct sunlight.

### Processing

Apply Graffix always from the bottom up, in order to avoid any material dripping. Dab run-off material with a sponge or imbibe with a roller without print proof. Squeeze tools regularly. The surfaces shall be treated at an element temperature of 5° C minimum to 25° C maximum, and must be protected afterwards for approximately 5 hours against driving rain.

- General application:

The first coat is to be applied as above mentioned. Operate the second application on the surface still being slightly moist. This has to take place at short intervals and always wet in moist. The time interval depends on the good absorbency and the temperature of the substrate, so that it may vary between 10 minutes and 1-2 hours.

**Consumption**

Approx. 100 ml/m<sup>2</sup>-200 ml/m<sup>2</sup> (all in all)

### Graffiti Removal

For psychological and technical reasons, graffiti have basically to be removed as soon as possible. Apply with a brush or spray the Graffiti-remover and wait at least 20 minutes (according to circumstances). Afterwards remove extensively with a hot water pressure washer from the concrete surface from the bottom up.

### Attention

The water temperature of the washer changes according to the selected pressure and the distance from the nozzle to the object. Please select the appropriate pressure for your surface. Use flat spray nozzles. Spot jet nozzles may damage your surface (milling effect).

**Wastewater disposal****Generalities:**

In time before the start, please clarify the situation with the local administrative authority. It is allowed in most municipalities to discharge the wastewater (mixture of dissolved or undissolved varnish remainders) into the sewer system, provided it has been separated from all solid material (graved bed, soil settlement ..).

**Water treatment:**

Should the authorities ask for a wastewater treatment, it is possible to use some special reactants meeting the requirements of the local waste water limit values.

In this case, the waste can be gathered (e.g. into 1000 L containers) and then treated with multipurpose separating agents. The resulting sludge should be disposed of according to its chemical composition.

**Drum sizes**

1 l; 5 l; 10 l; 25 l; 200 l

**Storage**

Unopened drums may be kept in closed stores at +18° C for 6 months from date of delivery.

**Safety**

Protect skin and eyes from material splashes. Please consult the relevant safety data sheet and notice the indications on the label of the drums regarding the Dangerous Goods Regulations.

This pamphlet must be solely seen as an application directive. It does not claim to be binding and valid for all application possibilities. We recommend performing preliminary tests relevant for each particular case.

This pamphlet cancels and replaces all hitherto published pamphlets concerning RECKLI-Graffix Basic.