

	Technical data sheet	GS-013-02 / -013-10
	<h1>Semi-Guard</h1>	Issue date: 17.01.2014
		Valid until:
		Version: 1.1

1. Product information

Semi-Guard is an eco-friendly, fast drying and transparent impregnating system with graffiti protection layer. After a graffiti removal, the graffiti protection layer can be reapplied. Graffiti can also be removed without renewing the sacrificial layer with a hot-water high-pressure device, with the addition of the system cleaner, several times. Graffiti protection will last up to 10 years unless removed and properly applied to the substrates.

2. Application

Semi-Guard can be used on almost all absorbent and porous surfaces e.g. natural stone, concrete, brickwork, Eternit, clinker, clay brick etc.

3. Characteristics

- Hydrophobic, improves the resistance against frost and thawing cycles
- Open to evaporation of moisture [Diffusion] – Easy application, fast drying
- No optical change of the surface
- Eco-friendly removal of graffiti's [only hot water high pressure]
- Protects also against road salt, pollution, moss, algae and mould
- Function guarantee for 10 years
- Suitable for many porous surfaces e.g. concrete, natural stone, clinker, clay brick
- Semi-Guard is a registered graffiti protection and RAL certified

4. Technical data

Colour	milky
Density :	approx. 1 g/cm ³ [milky]
Application rate :	The consumption depends on the porosity/absorption of the surface. For the calculation of the needed quantities we recommend determining this through an application test on an area of 1-2 m ² . <u>Guideline application per m²</u>
	Concrete: 0,20 - 0,30 l/m ²
	Rendering: 0,20 - 0,3 l/m ²
	Natural stone: 0,30 - 0,80 l/m ²
	Granite: 0,10 - 0,20 l/m ²
	Brick: 0,30 - 0,50 l/m ²
	Lime sand brick: 0,30 - 0,50 l/m ²
Dilution :	Do not thin
Flashpoint :	>100°C
VOC :	< 140 g/l

5. Application data

Aerial temperature has to be above 10°C during the application and drying process. The surface temperature has to be min. + 3°C.

No application with rain or high humidity [>85%] and / or temperatures above 35°C.

The surface has to be clean and sustainable. Dirt, moss or salts have to be removed prior to the application.

Semi-Guard – shake well before the application.

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Apply Semi-Guard with rollers, paint brush, atomizer or airless injections in 2 layers shortly after one another. Pulverization of the product should be avoided in case of a spraying application.

Apply as much material until the surface is saturated per work process/layer. Unreel left over material with a roller as otherwise stains/runs may occur!

Do not apply Semi-Guard on moist surfaces since the material cannot penetrate deep enough. Please note that colour depth as well as slight changes of gloss may occur during the drying process.

6. Graffiti removal

Graffiti is easily washed off with a hot water high pressure cleaner [temperature: 85-90°C] and low pressure when first cleaned. After a graffiti removal, the graffiti protection layer can be reapplied. Graffiti can also be removed without renewing the sacrificial layer with a hot-water high-pressure device, with the addition of the system cleaner, several times.

Thicker graffiti can be previously treated with Remover BLUE [Article GE-019-01 / 019-02 / 019-10] and then removed.

7. Packaging sizes

2 l / 10 l

8. Storage

In sealed and original packing stable for a minimum of 12 months. Store containers cool and dry and protect against frost.

9. Safety data

See safety data sheet

The information and data in this technical data sheet are based on our practical experience and knowledge. Due to different practice requirements a general liability is being excluded. Own trials with regard to the suitability and application by the user are to be done. With the release of a new technical data sheet, all former versions become void.