

Technical Data Sheet

Description

TOPICAL GUARD is a water based silane modified acrylic sealer that is designed to be used when the polished surface is needing protection from topical harsh spills and chemical attacks.

Properties

TOPICAL GUARD reduces the penetration of aqueous liquids, grease, oils and other dirt. The product is easy to apply and imparts high gloss when burnished. The effectiveness depends on the material and absorption of the surface. Depending on the material and surface treatment, it can also lead to different results in the resistance of stain protection.

TOPICAL GUARD forms a microscopic semi-topical barrier that protects the surface from stains and etching due to harsh spills. It increases the gloss of the surface after high-speed burnishing and will also enhance the appearance of stained and/or dyed polished concrete floors. Basically there is no or only minimal changing of the surface color (color enhancement). The water absorption will be strongly reduced. The active ingredients are UV-resistant and not yellowing, and although it is a film-forming product, it stays breathable (diffusion open).

Advantages:

- Easy to apply. Fast drying (Fully dried within 2-5 hrs).
- Breathable and UV stable. Will not yellow.
- Non-flammable. Non-toxic. Low odor.
- For indoor and outdoor use.

Disadvantages

- Sensitive for freezing during application if applied during cold conditions.
- As any topical sealer it becomes the wearing surface, so in turn it needs periodic replacement.

Scopes of application

TOPICAL GUARD is applicable to concrete surfaces, screeds and artificial stone/cementitious Terrazzo. Specific areas of usage are e.g. where the surface needs to be closed and withstand etching stains from for example food spill, or when there are exposed steel fibers in the concrete that you would like to protect from water and corrosion. The product is suitable for both interior and outdoor use. For highly absorbent surfaces it's recommended to apply two times.

Note: The acid sensitivity on concrete surfaces will be reduced, but depending on the length of the exposure time and the aggressiveness of the chemical, etching marks might still occur.

Processing

Apply TOPICAL GUARD to a clean and dry floor. If possible, water-clean the floor prior to application. Do not use any soap or detergents that might otherwise affect the penetration.

The surface should be dry, with a moisture content below either $\leq 4\%$ CM or $\leq 6\%$ MC.

Apply TOPICAL GUARD with a low-pressure sprayer and spread material with a short-hair microfiber mop. Do not work material into the surface. Spread it and leave it, ensure all areas are uniformly covered. Leave the surface to completely dry.

To ascertain the consumption make a separate sample area of the same surface. Two coats may be needed for optimal performance, especially on highly absorbing floors.

If two applications is needed, preferably apply first coat with roller and second coat with mop or roller to optimize the final appearance. Depending on site conditions and temperature, wait minimum 1hr after first application before you apply a second round. Surface must be dry to the touch.

Note: Too much material excess can lead to an inhomogeneous appearance and to an orange peel after burnishing. Clean equipment with water.

Gloss on the treated surface can be increased using a high speed burnisher (>1500 rpm) afterwards, together with a clean and dry 3000 grit diamond impregnated Husqvarna Maintenance pad. Note: If a buffing machine is used with a too-low rpm, the surface might turn duller instead.

Processing temperature

Avoid direct solar radiation during processing. The surface temperature should be between 10°C and 30°C ($50 - 86\text{F}$). Floor heating maybe turn off. Avoid direct moisture to the development of water-and oil repellent effect.

Drying time

The curing time is between 1-2 hours. According to ambient temperature, humidity and absorption there could be a difference in curing time.

If the surface is to be polished afterwards to a higher gloss with polishing or diamond impregnated pads, make sure that the surface is completely dry. If you are unsure, plan more drying time for the TOPICAL GUARD before final polishing.

Consumption rate:

For polished concrete: approx. 20 m^2 / liter (two applications)

Storage & Shelf Life

Keep container tightly closed in a cool, well-ventilated place. Protect containers against damage and from frost. Storage temperature 5°C - 30°C . Shelf life in unopened canister is 18 months from manufacturing date. Expiry date is written on the CE-label. Opened cans should be worked up as soon as possible.

Environmental Protection

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Waste codes/waste designations according to EWC/AVV.

Waste code product: 08 02 99 Wastes not otherwise specified
Waste code packaging: 15 01 02 Plastic packaging

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal. Completely emptied packages can be recycled. be recycled.

Health & Safety

VOC content 53g/L compared to VOC EU limit 140 g/L acc to EU Directive 2004/42 / EC (Cat IIA /i). VOC tested acc. to EN 16516 and ISO 16000 -3 -6 -9 -11. Compliant with German AgBB, the American ASTM D5116-10, the Italian CAM Edilizia, The French CMR, LEED, BRREAM International and EMICODE EC1, indoor Air Comfort Gold, and M1.

TOPICAL GUARD is harmless to health after drying up. A good ventilation should be provided during and after the processing. Observance of special security measures if the product will be used in a spraying application.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]. The mixture is classified as not hazardous and is not considered as dangerous goods according to these transport regulations. Safety data sheet available on request.

Packaging Unit (PU) 20 liter PE canister.

Husqvarna item number:

580502906 TOPICAL GUARD 20L

This information should only be a non-binding advice. The use of the products is based on local circumstances and on the surface itself. If there is no experience, and in cases of doubt, we recommend to try the product on an inconspicuous spot.