

Technical Data Sheet

Description

TOPICAL GUARD SiRO is a silicone free water based sealer that is specifically designed to be used as surface protection in areas where no silicone is allowed, for example in painting workshops, such as car painting facilities.

It also contains silicates meaning it acts as a hybrid densifier/sealer for low- to medium polished floors (maximum #400 grit) meaning you then densify and seal the floor at the same time using only one product.

Properties

TOPICAL GUARD SiRO reduces the penetration of aqueous liquids, grease, oils and other dirt. It leaves a thin protective film on top that effectively protects the surface from spills and staining. Being also a densifier, it improves the density and hardness of concrete, increasing abrasion resistance and minimizing dusting.

The primary area of usage is on all cementitious material, where surfaces will be both densified and stain protected. It can also be used on marble and limestone, but since no cementitious presence, the surface will only stain protected.

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:

- 100% silicone free
- Hybrid densifier/sealer – two products in one
- Easy to apply. Fast drying (Walkable within 1-2 hrs).
- Breathable and UV stable. Will not yellow.
- Non-flammable. Non-toxic. Low odor.
- For indoor and outdoor use.

Scopes of application

TOPICAL GUARD is applicable to concrete surfaces, screeds and artificial stone/cementitious Terrazzo. Specific areas of usage are in areas where no silicone is allowed, for example in painting workshops in the automotive industry.

Being a hybrid densifier/sealer it can also be used as the one and only product for densifying and sealing the floor if you plan to polish not more than up to #400 grit. If you plan to polish to a higher grit, we recommend a thorough densification with a pure densifier earlier in the process (around #100 grit), and TOPICAL GUARD SiRO as the final treatment.

Processing

Apply TOPICAL GUARD SiRO 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. Ensure all areas are uniformly covered.

If TOPICAL GUARD SiRO is to be used as a combined densifier/sealer, then keep the surface wet (flooded) with material for approx. 20-30 minutes. Avoid puddles during application, but keep surface saturated. After 20min, remove surplus material before drying up. Then leave to dry.

If TOPICAL GUARD SiRO is to be used as mainly a sealer and the floor has already been thoroughly densified, then apply the material and keep the surface moist for 1-2 minutes. Avoid 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. Make sure the surface is dry to the touch before buffing,

but don't wait until the next day since then any potential surface residues caused by the silicates will be harder to remove.

If the floor must be temporarily protected afterwards, use only diffusion open coverings and also only after the floor is completely dried.

Processing temperature

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

Drying time

The drying time (walkable) is between 1-2 hours and completely cured within 12-24 hrs. 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.

Consumption rate:

For grinded/polished surfaces (application at grit #100 or 200): $\sim 10\text{-}15\text{ m}^2/\text{L}$. For well power trowelled floor & highly polished floors: $\sim 15\text{-}30\text{ m}^2/\text{L}$

Storage & Shelf Life

Keep container tightly closed in a cool, well-ventilated place. Protect containers against damage and from frost. Storage temperature $5^{\circ}\text{-}30^{\circ}\text{C}$. 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 EVWC/AVV.

Waste code product: 06 02 05 Other bases

Waste code packaging: 15 01 10* packaging containing residues of or contaminated by dangerous substances

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

pH = 11,4. VOC content 0g/L compared to VOC EU limit 30 g/L acc to EU Directive 2004/42 / EC (Cat IIA /h).

TOPICAL GUARD is harmless to health after drying up. A good ventilation should be provided during and after the processing.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]. The mixture is classified as no dangerous goods according to transport regulations. Safety data sheet available on request.



DANGER! Causes skin irritation. Causes serious eye damage. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing and eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If in eyes, always consult a physician. If skin irritation occurs: Get medical advice/attention.

Packaging Unit (PU) 10 liter PE canister.

Husqvarna item number:

548095501 TOPICAL GUARD SiRO 10L

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.