

Technical Data Sheet

Description

HTC Stain Protection is a solvent based silane based fully penetrating sealer that makes the concrete significantly more resistant to fats, oils and water, but still allows the concrete to breathe.

The product provides premium protection by creating a hydrophobic barrier that prevents liquids from penetrating the surface. It is effective against most types of liquids and spills, but the effectiveness depends on the material and the absorption of the floor and also the type of splashes the treated floor is exposed to. The protection might be somewhat limited in areas with recurring spills and aggressive chemicals. Enhances the color of the concrete when applied.

Benefits:

- It is not a surface/topical sealer and therefore cannot blister, wear off or discolor.
- Enables the concrete to breathe (diffusion open)
- Imparts high gloss when burnished
- UV stable and non-yellowing
- Both indoor and outdoor use
- For use on both highly polished as well as matte floors

Scopes of application

Primary use is on ground and polished concrete floors, to be applied at the end of the polishing process. Can also be used on natural stone such as marble, limestone and granite as well as on cementitious and epoxy terrazzo. Can be used both indoors and outdoors. Fields of application are e.g., industrial floors in commercial establishments, market halls, shopping malls and supermarkets, but also works well on natural stone tiles, window seats, countertops and stairs.

Mixing Instructions

Husqvarna HTC Stain Protection products are in a ready to use container. There is no need for dilution.

Application

Apply as the last step in the polishing process, i.e. after the last specified resin step. Make sure the floor is clean and dry. Preferably conduct a wet cleaning with an auto-scrubber machine. The surface must be dry (residual moisture < 6 %) and free from any dirt.

Apply HTC Stain Protection as a thin film, using a microfiber mop to distribute it evenly over the surface leaving a slightly, smeary oil film. Avoid leaving puddles. On highly absorbing surfaces a repeated application might be required. When the surface is still damp (within 2-10min), burnish the surplus material into the floor using a polishing machine and a soft dry nylon pad. A single disc low speed machine can be used. Do not allow excess product to dry on the surface.

Curing

Do not expose the surface to direct moisture until water and oil resistance is fully developed.

Water and oil resistance start to develop after 2 to 3 hours and will be fully developed after 24 to 48 hours. The surface treated with HTC Stain Protection can be walked on approximately 7 hours after application depending on ambient temperature, humidity and air circulation.

Consumption rate

1L of HTC Stain Protection will cover approximately 20-40m² depending on the porosity of the concrete and the level of final polish when application is done. If two applications, then calculate half the coverage rate.

approx. 30-50m² /L on polished/fine-grinded surfaces

approx. 15-30m² /L on rough/non-grinded surfaces

Processing temperature

Avoid direct solar radiation during processing. The surface temperature should be between 10 °C and 25 °C. Turn off floor heating system.

Shelf Life

Shelf life of HTC Stain Protection in original tightly closed container is 12 months from date of manufacture. Expiry date (or MDD = Maximum Durability Date) is shown on the CE label.

Storage

Recommended storage temperature 5°-25° C. Keep/Store only in original container. Keep container tightly closed in a cool, well-ventilated place and avoid exposure to humidity and water. Protect containers against damage.

Environmental Protection

Do not empty into drains. Waste codes/waste designations according to EWC/AVV. Waste code Product: 08 01 11 * (Waste paint and varnish containing organic solvents or other dangerous substances). Waste code packages: 15 01 10 *. (Packaging containing residues of or contaminated by dangerous substances.) Dispose of waste according to applicable legislation. Completely emptied packages can be recycled.

Health & Safety

HTC Stain Protection is a flammable liquid (UN 1170) with flashpoint at 12 °C. Use only outdoors or in a well-ventilated area.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]. Safety data sheet available on request, or via husqvarnacp.com



DANGER! Highly flammable liquid and vapor. Causes serious eye irritation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take action to prevent static discharges. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/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.

Packaging Unit (PU) 10L PE canister.

Transportation class 3, packaging group II

for both ADR/RID, AND, IMDG and ICAOTI/ IATA-DGR

Husqvarna item number:

593315001 HTC Stain Protection 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.