

DURABLE CONCRETE FLOOR POLISHING

HiPERFLOOR™ is a complete concrete surface finishing system and Husqvarna product brand. The HiPERFLOOR™ system enhances the beauty, strength and abrasion resistance of the floor while reducing maintenance and costs. HiPERFLOOR™ can radically transform a broad range of new and old constructions. With HiPERFLOOR™, Husqvarna offers first-class results from a premium brand with premium service.

INDUSTRIAL FINISH

A low-gloss finish customised for industrial floors. Primarily an indoor application targeting large areas such as warehouses and department stores, where flooring functionality is of primary concern. The result is a hardwearing floor that offers a safer and cleaner environment. The minimal lifetime cost, low-maintenance and high durability makes the HiPERFLOOR™ Industrial Finish system of great benefit to any factory environment.

BENEFITS:

- ✓ *Minimal lifetime cost*
- ✓ *Withstands the toughest use*
- ✓ *Slip - resistant*
- ✓ *Resistant to spills, abrasion, oils and dusting*
- ✓ *Easy to clean*



HiPERFLOOR®

INDUSTRIAL FINISH

Step-by-step:

As we are only working on the very surface of the floor, it is important to know how the concrete has been finished. The use of 'Cure and Seal' products when the concrete was installed will determine the opening steps.

No 'Cure and Seal' products.

1. Use CP1241 30 grit ceramic or T80 50 grit copper transition diamond tools on 'clean' concrete to open the surface.

Note: If there is a heavy coat of curing compound on the surface, inconsistent 'swirling' in the flooring profile will be seen after the 30 grit ceramic or 50 grit copper diamond has passed an area. If this is the case, it is important to stop the machine and check the tools for any burn marks where the curing compound has built up on the tool. This should be scraped off before continuing.

With 'Cure and Seal' products.

- 1a. Use 50 grit metal bond diamonds on new concrete if a 'Cure and Seal' product has been used to protect the surface and speed up the curing process.
 - This will remove any excess curing product and break the surface to give the ceramic diamond tool a keying surface to work with. A half set should be used moving at a fast operator speed to follow the floor without removing too much stock.
 - This would also be the case on old concrete to decontaminate a heavily used or 'dirty' surface.
- 1b. Use CP1242 50 grit ceramic or T80 50 grit copper diamond tools on clean and keyed concrete.

Note: The use of GM3000 is not required before the application of Hiperhard, as the surface has not been broken significantly to reveal holes created by air-bubbles and extracted aggregate. This process also targets floor functionality rather than aesthetics and consequently pinholes in the finished product should be ignored.

2. Apply Hiperhard liberally with a very soft broom or sprayer. If spraying, ensure you follow with a broom to work the product into the pores of the concrete. Apply Hiperhard liberally so that the concrete is saturated but without forming puddles. Approximate usage should be 5 litres per 25 m² (1500 sq/ft per 5 gallon).
 - Once the Hiperhard has dried, a second coat may be required if the concrete is very soft and still absorbent. Again, spread out any puddling with a soft broom. When applying one coat to hard concrete or two coats to porous concrete, the floor should always appear damp/wet for 15-20 minutes after the application of HiperHard. If this is not the case, another coat is required.
 - Allow Hiperhard to dry completely before moving on to the next step. 6 – 12 hours is recommended as a minimum time to obtain a maximum cure of the Hiperhard product. The curing time will vary significantly with extreme temperatures – for cold environments longer and for warmer environments shorter.

Note: We do not recommend removal of wet excess hardener with a squeegee or scrubber once it begins to gel off. For maximum saturation and hardening of the concrete surface, it is recommended that the hardener be left in contact with the concrete until totally dry.

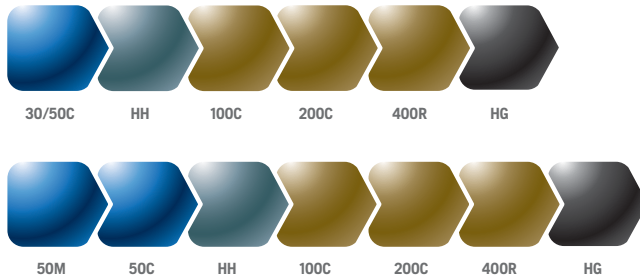
3. Remove excess cured/dry Hiperhard with CP1243 100 grit ceramic or T80 100 grit copper transition diamond tools.
 - Apply a thin layer of Hiperhard with a micro fibre applicator about 2-5 metres (5-20 ft) in front of the machine. Ensuring that the dried Hiperhard has turned to a gel-like state, proceed with honing the concrete. This will close any remaining micropores in the concrete surface and will make the ceramic tools more aggressive.
 - If this thin layer is too wet when grinding, an inconsistent 'swirling' in the flooring profile may be seen after the 100 grit ceramic and copper diamond has passed an area.

Ensure that any excess Hiperhard is removed completely. In its unreacted state, dry excess Hiperhard can cause the following problems if left on the floor:

- It will create brown/dark and unsightly patches in the floor when polished using dry resin polishing pads.
 - If it comes into contact with water, it will reactivate and become very slippery.
 - It will cause dull patches or 'clouds' in the finished product as Hiperhard will not polish up to the same level as the harder concrete.
4. Continue the polishing process with CP1244 200 grit ceramic or T80 200 grit copper transition tools.

INDUSTRIAL FINISH

Step-by-step:



Industrial finish: C = Ceramic/Copper bond
M = Metal
HH = Hiperhard
R = Resin bond
HG = Hiperguard Penetrating Sealer

- Continue the polishing process with P1245 400 grit or HP40 400 grit resin bond floor-polishing pads.
 - You should notice a sharp reflection developing at this stage.
 - Some slightly higher wear of the P1245 400 grit or HP40 400 grit resin bond floor-polishing pads may be experienced at this stage compared to the Premium finish or Commercial finish systems.
- Apply 2 – 3 coats of Hiperguard penetrating sealer using a microfibre floor sweeper, wet-on-wet application. The floor should be fully saturated without excess to ensure all the pores are filled. The use of Hiperguard prevents contaminants from staining the floor and is highly recommended. However, in some circumstances, more so with the repair of previously highly contaminated surfaces, Hiperguard will show up previous staining beneath the surface due to the concrete pores already having a contaminant in them.
- Leave to cure fully for at least one hour or until touch dry and then buff off any residual Hiperguard sealer using nylon buffing pads.

Note: The surface can be ground and polished to tailor to different levels of exposed aggregates and non exposed aggregates and to high or low gloss levels by adding or omitting steps.

Your certified HIPERFLOOR™ Contractor is:



YOUNG/MAN RICHARDSON & CO LTD

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