



Husqvarna®

DAI



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.

COMMERCIAL FINISH

Commercial finish consists of a semi-exposed aggregate look, focusing on floor flatness and function. An ideal option for existing slabs, where exposure levels are not of primary concern. By choosing the HIPERFLOOR™ Commercial Finish, the result is a floor that is functional, easy to clean and low maintenance whilst remaining aesthetically pleasing.



HIPERFLOOR®

BENEFITS:

- ✓ *Easy to clean and maintain*
- ✓ *Resistant to wear and spills*
- ✓ *Abrasion-resistant*
- ✓ *Slip - resistant*
- ✓ *Minimal lifetime cost*

COMMERCIAL FINISH

Process:

LOOK FOR THIS SYMBOL

Engaging a Husqvarna Accredited Contractor means the finished product is backed by Husqvarna's 10 Year Warranty.

To view the current list of Accredited Contractors visit:
www.husqvarnacp.com/au/campaigns/hiperfloor



This process is a dry polish system and we suggest the use of the below checklist to ensure effective polishing and dust management onsite. Warranty will only be applied to the finished HIPERFLOOR® product if genuine Husqvarna equipment, diamond tools and chemicals are used.



MATERIAL CHECKLIST

- Access to correct power
- Large Husqvarna Planetary Grinder (PG)
- Paired with correct Husqvarna dust management system
- Husqvarna diamond tools and chemicals

1. Using metal bond diamond tools, decontaminate the surface using either 50 grit or 100 grit diamonds. On a heavily used or 'dirty' concrete floor, 50 grit diamonds may be required first to decontaminate and level out large differences in the surface. If this is the case, the requirements for floor flatness and final appearance need to be taken into account as this step will affect the aggregate exposure. A half set should be used to follow the contours of the floor when wanting to minimise aggregate exposure.

Note: Minimal/low-exposure aggregate floors will often have an inconsistent end-result due to the unknown nature of the aggregate dispersion in the concrete floor. This is almost always out of the control of the grinder operator as it relates to the finish of the concrete pour and needs to be made known early on to the floor owner. Minimal/low exposure will not be achievable on a broomed finish concrete floor due to the abrasive nature of the surface finish.

Combine the grinding process with GM 3000 filling compound as follows:

- I. Wet the concrete to remove the 'suction'/absorption from the concrete floor.
 - II. Apply GM 3000 to the floor using a broom. Approximate usage should be 5 litres per 25 m². Begin with 5 - 10 lineal metres only in front of the grinder to prevent the GM 3000 from drying out.
 - III. While still wet, run the machine with 100 grit diamonds through the wet GM 3000. When using the Husqvarna PG 690 or PG 830, set the heads in the opposite direction and with the Disc Speed set at 5 and Head Speed at 5 - 7. The GM 3000 will combine with the dust created by the 100 grit diamonds and it will be forced into holes created by air-bubbles and extracted aggregate.
 - IV. Grind at operator speed to remove all remaining GM 3000 residue. The floor should appear slightly 'blue' after completing an area. When using GM 3000, work in areas of 5 - 10 m² until a feel for the process has been established, then allow the floor to dry before moving on to step 4.
2. Apply Hiperhard liberally with a very soft broom or sprayer, so that the concrete is saturated but without forming puddles. If spraying, make sure you follow with a broom to work the product into the pores of the concrete. Apply Hiperhard liberally, approximate usage should be 5 litres per 25 m².
 - Once the Hiperhard has dried, a second coat may be required if the concrete is very soft and still absorbent, spreading out any puddling using 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. A period of 6 - 12 hours is recommended as a minimum to obtain a maximum cure of the Hiperhard product. The curing time will vary significantly with extreme temperatures - in cold environments it will take longer and in warmer environments it will be shorter.

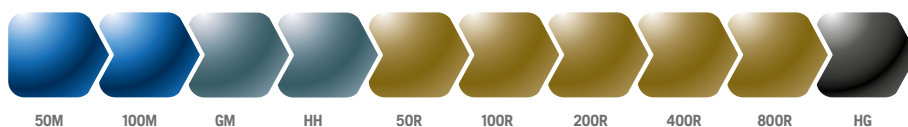
Note: We recommend the application of Hiperhard after the final metal bond step as the concrete is most porous after the metal bond diamonds. Hiperhard will penetrate into the concrete best following the metal bond step and will ensure the hardest possible surface is achieved.

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 completely dry.

3. Remove excess cured / dry Hiperhard with P1242 50 grit resin bond tools:
 - Apply a thin layer of Hiperhard with a microfibre applicator about 2 - 5 metres in front of the machine, ensuring that the dried Hiperhard has turned to a gel-like state. This will not only make the P1242 50 grit resin more aggressive, but by reactivating any of the excess Hiperhard, the possibility of cured Hiperhard covering over the 100 grit scratches to be removed will be minimised.
 - If this thin layer is too wet when grinding, excessive wear of the resin bond polishing pads may occur.

COMMERCIAL FINISH

Step-by-step:



COMMERCIAL FINISH: M = Metal bond
GM = GM 3000
HH = Hiperhard
R = Resin bond
HG = Hiperguard Penetrating Sealer

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

- Create brown/dark and unsightly patches in the floor when polished using dry resin polishing pads.
- Make the surface very slippery, as Hiperhard reactivates if it comes into contact with water.
- Create dull patches or 'clouds' in the finished product, as Hiperhard will not polish to the same degree as the harder concrete.

If the use of the P1242 50 grit resin bond tools is unsuccessful at removing excess Hiperhard (this would be the case if puddling Hiperhard is left to dry/cure on the surface), use T80 100 grit transition copper bond polishing pads in a semi-wet grinding fashion with water. Then move on to step 4 with P1243 100 grit resin bond floor-polishing pads.

Note: When polishing concrete, we do not recommend grinding higher than 100 grit metal bond tools.

- The crossover from metal bond to resin bond is the most important stage of the polishing process as far as scratch removal is concerned. The longer the metal bond diamonds are used, the more chance scratches will be made in the floor in the metal bond step (as opposed to the diamond abrasive in the metal bond step).
- Resin bond diamond pads (generally) have significantly higher production rates than metal bond tools. The sooner you begin with resin bond diamonds, the more efficient the production rate.

Note: We do not recommend the use of metal bond diamond tools once the Hiperhard has been applied, as they can remove too much of the densified surface, leaving an inconsistent end-result. Metal bond tools are also more aggressive than resin bond tools and can create new holes/pits in the surface.

4. Continue the polishing process with P1243 100 grit resin bond floor-polishing pads.
5. Continue the polishing process with either P1244 200 grit or FP40 200 grit resin bond floor-polishing pads.
 - If at this point stone appears to have more gloss than the matrix, a thin enhance coat of Hiperhard Lithium can be applied to the surface. Once dried, continue onto Step 6.
6. Continue the polishing process with P1245 400 grit or FP40 400 grit resin bond floor-polishing pads, there should be a sharp reflection developing at this stage.
7. Continue the polishing process with P1246 800 grit or FP40 800 grit resin bond floor-polishing pads.
8. Apply 2 – 3 coats of either Hiperguard Enhance Plus or Hiperguard Greenseal penetrating sealer using a microfibre floor sweeper with a wet-on-wet application. The floor should be fully saturated but without any excess to ensure all pores are filled. The use of Hiperguard is highly recommended to prevent contaminants from staining the floor. However, in some circumstances, and 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.
9. Leave to cure fully for at least one hour or until touch dry and then buff off residual Hiperguard sealer with 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.



HUSQVARNA 10 YR WARRANTY

Husqvarna Accredited Contractors are the only contractors that can have their work warranted by Husqvarna. This means the concrete has been treated with the HIPERFLOOR® chemicals, and ground with Husqvarna diamond tools under Husqvarna planetary grinders.

The polished concrete surface will not fade, dull or yellow, as long as ongoing cleaning and maintenance is carried out according to the HIPERFLOOR® Maintenance Guide.

Your certified HIPERFLOOR™ Contractor is:

HIPERFLOOR™ is a complete concrete surface finishing system and a 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.



www.husqvarnacp.com.au

Husqvarna Australia Pty. Ltd., 4 Pioneer Ave, Tuggerah NSW 2259. TEL: 1300 487 782.