

Specifications for Husqvarna Polished Concrete – HiPERSEAL

This Specification describes the steps required to achieve a polished concrete surface with the following characteristics:

- High Gloss Finish.
- Your choice of aggregate exposure.
- Non dusting surface.
- Low maintenance surface.
- Concrete surface very effective for light reflectivity.

HiPERSEAL System Described

1. Concrete to be treated and polished by the system outline stated below
2. HiPERSEAL application to be completed by a certified contractor and specified equipment, treatments and tools.
3. HiPERSEAL Definition:
 - i. Concrete Polished by Husqvarna Certified Contractor.
 - ii. Grinding, Honing and Polishing completed using Husqvarna PG series Dual Drive Surfacing machines
 - iii. Grinding, Honing and Polishing completed using Husqvarna G1400, G600, CP1200 & P1200 series diamond tools
 - iv. Concrete treatment via the use of Husqvarna Chemicals: GM3000, HiPERHARD and HiPERGUARD.
 - v. Non Slip: minimum coefficient value of 0.7 or greater. (Independent test reports required for each project)
 - vi. Aggregate exposure requirement as specified in HiPERSEAL system outline. System outline will vary inline with clients requirements but will remain consistent with the chosen HiPERFLOOR system outline.
 - vii. Food, Chemical, oil and common stain resistant, as long as the maintenance system is followed correctly.

Quality Assurance

For the highest possible Quality and outcome the Manufacture requires:

- i. Applicator is a Husqvarna Certified Contractor. And provide:
- ii. A sample HiPERSEAL area is to be completed on site prior to works commencing which meets:
 - the requirements specified in the relevant HiPERFLOOR HiPERSEAL System Outline, this will ensure that the variances in concrete / substrate is taken into account and meets the approval and satisfaction of the client.
- iii. A meeting with Developer, Lease Hold Owner, Architect, General Contractor and certified Contractor prior to commencement of project to approve:
 - on site HiPERSEAL sample area
 - scope of works and project procurement plan.
- iv. Protect Concrete from:
 - staining prior to HiPERSEAL scopes of works commencing procurement.
 - gouging or chipping
- v. Aggregate exposure requirement as specified in HiPERSEAL system outline. System outline will vary inline with clients requirements but will remain consistent with chosen HiPERFLOOR System outline.
- vi. Correct maintenance

Product/Materials

Husqvarna require following materials, tools and equipment to successfully complete HiPERSEAL.

- i. Materials:
 - GM3000™ grouting mix
 - HiPERHARD™ concrete Densifier
 - HiPERGUARD Acrylic - Water based acrylic topical sealer
- ii. Diamond Tools:
 - Metal Bond Diamond tools G1400 or G600 Series for Grinding and Honing
 - Ceramic Bond Diamond tools CP1200 series for Polishing
 - Resin Bond Diamond tools P1200 Series for Polishing
- iii. Equipment:
 - Husqvarna PG Dual Drive Surface Preparation and Finishing machines.



System Outline: HIPERSEAL:

Step	Description	Metal Bond Type	Resin Bond Type	Grit Size
1	Course grind to Expose Aggregate	Redi-lock 1400 series		20 or 30 Grit
2	First Hone grind to remove 20 or 30 grit scratches	Redi-lock 1400 series		50 or 60 Grit
3	Apply GM3000 to fill minor air/aggregate holes and cracks (in conjunction with step 4)			
4	Second Hone grind to remove 60 grit scratches and fill holes (with Step 3)	Redi-lock 1400 series		100 or 120 Grit
5	Apply HiPERHARD			
6	Grind to remove excess HiPERHARD & remove 120 grit scratches; Polish 1		Ceramic Bond CP1200 series	50 Grit
7	Polish 2		UltraFloor P1200 series	100 Grit
8	Polish 3		UltraFloor P1200 series	200 Grit
9	Polish 4		UltraFloor P1200 series	400 Grit
10	Apply 2-3 Coats of HiPERGUARD Acrylic			
11	Burnish with Red Nylon Pad			

Note

Aggregate exposure can be decreased inline with the client's requirements by simply removing more the initial grinding steps.

Maintenance

HiPERSEAL is a Concrete and Polishing system aimed at achieving the following benefits:

- Hard wearing
- Attractive
- Environmentally Friendly

The HiPERSEAL process has been designed to achieve the above 3 elements once the process is finished. With the use of the HiPERHARD concrete Densifier & HiPERGUARD Acrylic, the concrete will remain hard wearing and resistant to abrasion. However, it is equally important the maintenance is such that the concrete surface will remain Attractive via the use of an environmentally friendly cleaning system.

Therefore it is recommended the following simple surface maintenance system is followed:

- Only use Husqvarna approved, Husqvarna Polished Concrete Cleaner.
 - Spills should be cleaned from the surface when they occur.
 - Areas where heavy soiling exists will require localised cleaning prior to cleaning entire area.
 - In high traffic areas; burnish daily with a high speed burnisher with red nylon pads
 - In either situation, always rinse the floor with clean water after use.
- Low traffic areas; Use the above steps when necessary
- Reapply Hiperguard Acrylic every 3-5 years or as required.