

LUXSTONE POLISHED CONCRETE SYSTEM - HIGH

March 2022

| Step | Grinding Metal Bond | Polishing Resin Bond | CCS Product | Description |
|------|---------------------|-------------------------------------|----------------------|--|
| 1 | 40 Grit (F) | | | Grind - 1 to 3 passes depending on aggregate exposure level required/medium RPM. This grind opens the surface up and minimises variations in the surface depending on aggregate exposure and final appearance desired. Ensure floor is clean before moving to step 2. |
| 2 | | | CSS Formula CSH-150 | Product Application- Only required if concrete is chalky/soft/brittle/weak and below 32 Mpa. Apply CCS Formula CSH-150 (refer to TDS) directly to the floor from watering can and spread out using a broom. Allow product at least 60-90 minutes to react with the concrete. CSH-150 reacts with the calcium silicate hydrate to block capillaries & close off the concrete. |
| 3 | 80 Grit (F) | | | Grind - 1 to 2 passes/medium RPM This grind assists in removing deeper scratches from step 1 grind. Ensure floor is clean before moving to step 4. |
| 4 | | | CSS Formula CSH-150 | Product Application Apply CCS Formula CSH-150 (refer to TDS) directly to the floor from watering can and spread out using a broom. Allow product at least 60-90 minutes to react with concrete, the longer the better. CSH-150 reacts with the calcium silicate hydrate to block capillaries & close off the concrete. |
| 5 | 120 Grit (F) | | CSS GroutSol 90 | Grind - 2 passes/medium RPM Apply CCS GroutSol (refer to TDS) by spraying a generous volume directly onto the surface 3-5 metres in front of the grinder to ensure the solution remains liquid and does not dry out. Grind surface to produce new concrete dust which will be forced into the pin holes and divots by the grinding process. |
| 6 | | | | Surface Inspection Inspect surface by wiping with a cloth then tapping hard with hand to gauge how well the pin holes, divots and crevices have been filled. If micro holes are evident then move onto Step 7. If satisfied with surface move directly onto Step 8. |
| 7 | | 5 Grit (F) Ceramic is preferable | CSS GroutSol 90 | Grind - 1 pass/medium RPM (optional step) Inspect surface by wiping with a cloth then tapping hard with hand to gauge how well the pin holes and divots have been filled. If micro holes still exist repeat Step 5 but using 50 Grit Resin. |
| 8 | | 100 Grit (F) | | Polish - 2 passes Polish surface using 100 grit resin bond diamonds. |
| 9 | | | CSS Densa-Con | Polish Surface Apply a lick coat of CCS Densa-Con using a microfibre applicator |
| 10 | | 200 Grit (F) | | Polish - 2 passes Polish surface using 200 grit resin bond diamonds. |
| 11 | | 400 Grit (F) | | Polish - 2 passes Polish surface using 400 grit resin bond diamonds. |
| 12 | | 800 Grit (F) | | Polish - 2 passes Polish surface using 800 grit resin bond diamonds. |
| 13 | | | CSS Sentinel Seal WB | Product Application Apply a misty even coating of CCS Sentinel WB Seal using a microfibre applicator to protect the surface and intensify the appearance. Allow to completely dry overnight before burnishing. |
| 14 | | 800 Grit Polishing Pad | | Polish - 2 passes Burnish surface using high-speed (1500-3000 RPM) burnishing machine. |
| 15 | | 1500 Grit Polishing Pad | | Polish - 2 passes Burnish surface using high-speed (1500-3000 RPM) burnishing machine. |

Please note: This is a guide only and not a guarantee of chemical resistance. Please contact our office for further information on individual application requirements.