

The road to successful flooring starts with successful floor preparation.

The aim of floor preparation is to remove substrate contamination, remove previous coatings, remove the laitance layer of concrete and to provide a substrate that is clean, dust and debris free and of specific importance in all cases provide the correct surface profile for the system being applied

There are various methods of preparation available, choosing the correct method, utilising the correct machinery thereby enabling cost effective, efficient successful floor preparation.

Methods of Preparation

- 1) Captive Shot Blasting
- 2) Vacuum Enclosed Diamond Grinding
- 3) Mechanical Scabbling / Planning
- 4) Impact Bush Hammering
- 5) Acid Etching

For generic use the International Concrete Repair Institute (ICRI) has created a guideline,

“Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Floor Topping Overlays.”

It provides concrete surface profiles (CSP) that can be used under the following conditions:

- Acid etching CSP 1 – Application of penetrating sealers only
 - **Crystal Seal, Diamond Seal**
- Grinding Polishing CSP 2 – Application surface seals
 - **Revathane, Aqua clear**
- Light Shot Blast CSP 3: coating applications under 1mm DFT
 - **Rapidcoat, Terratuff, Terraflake, Situclad, Situclad VE**
- Medium Shot Blast CSP 4 or 5: coating applications 1mm – 4mm DFT
 - **Surecote System 200, Traxite, Nuthane MD, Surecote SLE, Intafloor ZV**
- Medium-Heavy Shot Blast CSP 5 or 6: slurry & broadcast applications 3mm+ DFT
 - **Nuthane SB, Sureshield SB, Supascreed SB**
- Heavy Shot Blast CSP 7 or 8: screed topping applications 6mm+ DFT
 - **Sureshield, Decorative Terrazzite, Supascreed, Nuthane T, Architectural Terrazzite, Surechem VE**
- Extreme Shot Blast (CSP 9): screed / prefill overlays

International Concrete Repair Institute (ICRI) Concrete Surface Profile (CSP) Scale



Floor preparation equipment is available for further advice or information do not hesitate to contact the allnex technical team.

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