

Concrete Surface Profile Inspection Guide

Use this guide to identify the surface profile of your concrete. CSP₁ being the indicator for a nearly flat floor and CSP₁₀ indicative of an extremely rough floor. The range of variation will depend on strength, composition, aggregate and finish.



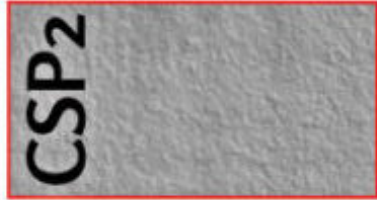
Ideal Application:

- Sealers 0-3mils

Desired Finish
Profile: 27 mils

- Wire brush
- Acid etch

Methods:
Tennant scrubber with wire heads or chemical stripper



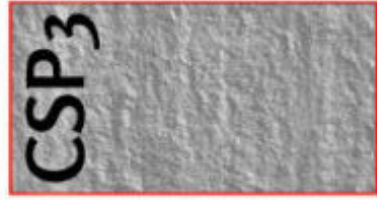
Ideal Applications:

- Sealers 0-3mils
- Thin films 4-10mils

Desired Finish
Profile: 32 mils

- Diamond grind

Method:
Grinder with 30 grit metal-bond tooling



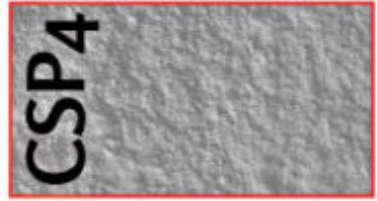
Ideal Applications:

- Thin films 4-10mils
- High-build coatings 10-40mils

Desired Finish
Profile: 38 mils

- Fine erase
- Diamond shave
- Light blast

Methods:
Grinder with PCDs or shot blaster



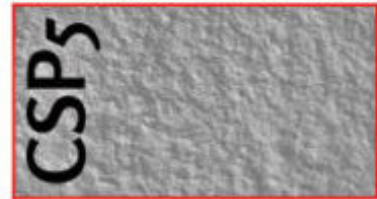
Ideal Applications:

- High-build coatings 10-40mils
- Self-leveling toppings 50mils-1/8"

Desired Finish
Profile: 50 mils

- Med erase
- Very fine strip/scrape
- Light/med blast

Methods:
Floor grinder with bush hammers, shot blaster or scarifier



Ideal Applications:

- High-build coatings 10-40mils
- Self-leveling toppings 50mils-1/8"
- Polymer overlays 1/8-1/4"
- Concrete overlays & repair materials 1/4"+

Desired Finish
Profile: 66 mils

- Coarse erase
- Fine scarify
- Med blast
- Fine strip/scrape

Methods:
Floor grinder with bush hammers, shot blaster or scarifier



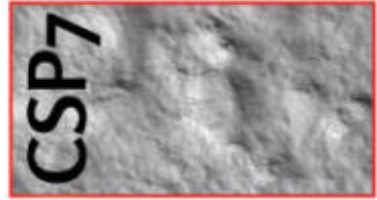
Ideal Applications:

- Self-leveling toppings 50mils to 1/8"
- Polymer overlays 1/8" to 1/4"
- Concrete overlays & repair materials 1/4"+

Desired Finish
Profile: 125 mils

- Med scarify
- Med-heavy blast
- Med strip/scrape

Methods:
Shot blaster or scarifier



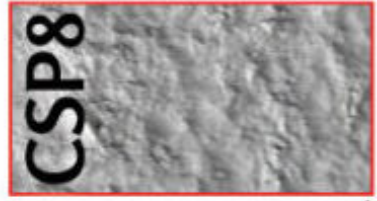
Ideal Applications:

- Polymer overlays 1/8"-1/4"
- Concrete overlays & repair materials 1/4"+

Desired Finish
Profile: 175 mils

- Med-coarse scarify
- Med-heavy blast
- Med-coarse strip/scrape

Methods:
Shot blaster or scarifier



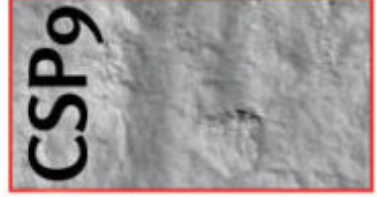
Ideal Applications:

- Polymer overlays 1/8"-1/4"
- Concrete overlays & repair materials 1/4"+

Desired Finish
Profile: 210 mils

- Coarse scarify
- Coarse scabble
- Fine plane

Methods:
Scarifier or scabbler



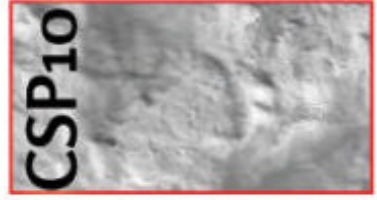
Ideal Applications:

- Polymer overlays 1/8"-1/4"
- Concrete overlays & repair materials 1/4"+

Desired Finish
Profile: 214 mils

- Very coarse scarify
- Medium plane

Method:
Scarifier



Ideal Applications:

- Concrete overlays & repair materials 1/4"+

Desired Finish
Profile: >250 mils

- Coarse Plane

Method:
Scarifier