

# Concrete Surface Profile Inspection Guide

Use this guide to identify the surface profile of your concrete. CSP<sub>1</sub> being the indicator for a nearly flat floor and CSP<sub>10</sub> indicative of an extremely rough floor. The range of variation will depend on strength, composition, aggregate and finish.



**CSP<sub>1</sub>**

**Ideal Application:**

- Sealers 0-3mils

**Desired Finish Profile:** 27 mils

- Wire brush
- Acid etch



**CSP<sub>2</sub>**

**Ideal Applications:**

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

**Desired Finish Profile:** 32 mils

- Diamond grind



**CSP<sub>3</sub>**

**Ideal Applications:**

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

**Desired Finish Profile:** 38 mils

- Fine erase
- Diamond shave
- Light blast



**CSP<sub>4</sub>**

**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



**CSP<sub>5</sub>**

**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



**CSP<sub>6</sub>**

**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



**CSP<sub>7</sub>**

**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



**CSP<sub>8</sub>**

**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



**CSP<sub>9</sub>**

**Ideal Applications:**

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

**Desired Finish Profile:** 214 mils

- Very coarse scarify
- Medium plane



**CSP<sub>10</sub>**

**Ideal Applications:**

- Concrete overlays & repair materials 1/4"+

**Desired Finish Profile:** >250 mils

- Coarse Plane