



CONCRETE POLISHING COUNCIL

EXPOSED/POLISHED CONCRETE EXPOSURE CHART

REPLACES CPAA AGGREGATE EXPOSURE CHART

LEVEL	NAME	DESCRIPTION	Average DOI Value %	Average Gloss Value (optional)	Average Haze Value
1	Exposed/Flat (Ground)	Images of objects being reflected have a flat or matte appearance.	0 to 9	< 10	< 12
2	Exposed/Satin (Honed)	Images of objects being reflected have a satin appearance.	10 to 39	5 to 25	< 12
3	Polished	Images of objects being reflected do not have a sharp and crisp appearance but can be identified.	40 to 69	> 35	< 12
4	Highly Polished	Images of objects being reflected have a sharp and crisp appearance as would be seen in a near-mirror like reflection. May require grouting.	> 70	> 50	< 12

■ Distinctness-of-Image (DOI)

- DOI is the sharpness of images of objects produced by reflection in a polished surface, sometimes called image clarity.
- Measurement by Image Clarity Meter (ASTM D5767): The DOI, Image Clarity Value, obtained from this test method, range from 0 to 100 with a value of 100 representing perfect DOI (image clarity). The specifier can omit gloss requirements at their discretion.

■ Haze

- Haze is the cloudiness or milky appearance of images of objects produced by reflection in a polished surface.
- Measurement by Glossmeter (ASTM D4039): The Haze Index, obtained from this test method, is computed using the numeric difference between the value of specular gloss at 60° and the value of specular gloss at 20°.

■ Measurements for Compliance

- The Image Clarity Meter and Glossmeter must be calibrated and used in accordance with ASTM D5767 and ASTM D4039.
- The minimum number of tests distributed across the polished surface should be three for areas up to 1000 ft² and one additional test for each 1000 ft² or fraction thereof. This applies to the Image Clarity Value, Gloss and Haze Index.
- The DOI and Gloss values must fall between these ranges and be measured before any post-polished surface treatments are added. Measurements are valid for 72 hours after the initial reading.
- Measurements should be done within 72 hours of polish completion and before other trades have access to the floor.

Contact your Concrete Polishing Council (CPC) contractor or the CPC Hotline at (844) 923-4678 or by email at cpchotline@asconline.org with any questions.

Actual image clarity values should be validated with an image clarity meter per ASTM D5767 for 60° gloss, DOI, and haze