



# 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 ft<sup>2</sup> and one additional test for each 1000 ft<sup>2</sup> 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.

Contact your Concrete Polishing Council (CPC) contractor or the CPC Hotline at (844) 923-4678 or by email at [cpchotline@asconline.org](mailto: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