

POLISHED CONCRETE APPEARANCE CHART

LEVEL	NAME	DISTINCTNESS-OF-IMAGE (DOI) GLOSS	IMAGE CLARITY VALUE, %	HAZE INDEX
1	Flat (Ground)	Images of objects being reflected have a flat appearance.	0 – 9	<10
2	Satin (Honed)	Images of objects being reflected have a matte appearance.	10 – 39	
3	Polished	Images of objects being reflected do not have a sharp and crisp appearance but can be easily identified.	40 – 69	
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 – 100	

■ **Distinctness-of-Image (DOI) Gloss**

◆ DOI is the sharpness of images of objects produced by reflection at 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).

■ **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 both the Image Clarity Value and Haze Index.
- ◆ The mean (average) values of the test results should be used to evaluate compliance with this chart.