

DIN **EN 13300**

EUROPEAN CLASSIFICATION

ON

Paints and Varnishes

Water-born coating materials and coating systems

For interior walls and ceilings

English version of DIN EN 13300:2001 +AC: 2002

EN 13300

Coatings produced by Quds Paints are tested according to European specification standard EN 13300 for interior coatings:

Main tests are:

1. Wet scrub Resistance test, ISO 11998:

It is a method to determine the wet abrasion resistance of the coating material. Paints are applied on a plastic foil. After 28 days of drying the samples will undergo a scrubbing procedure. Provide repetition in this test to ensure compatibility and excellent performance among all of the products covered in the hands of the consumer and quality control tests at the Quds Paints.

Coatings are classified according to EN 13300 by measuring the amount of the missing dry layer of paint on a test board.

2. Contrast ratio (Opacity) test, ISO 6504-3:

The coating material will be applied to a standardized surface at the average spreading rate recommended by the manufacturer. The contrast ratio Y_b/Y_w is measured in accordance with ISO 6504-3.

EN 13300

	Wet scrub resistance	Opacity Y_b/Y_w
Class 1	< 5 μm at 200 scrubs	$\geq 99,5$
Class 2	$\geq 5 \mu\text{m}$ and < 20 μm at 200 scrubs	≥ 98 and < 99,5
Class 3	$\geq 20 \mu\text{m}$ and < 70 μm at 200 scrubs	≥ 95 and < 98
Class 4	< 70 μm at 40 scrubs	< 95

3. Gloss; ISO 2813:

Classification by gloss according to EN 13300 shall be based on specular-gloss values at 60° respectively 85° when tested by the method described in **ISO 2813**, as shown in table.

Designation	Angle	Reflectance
Gloss	60°	≥ 60
Semi gloss	60°	< 60
	85°	≥ 10
Matt	85°	<10

4. Largest grain size (granularity)

Classification by largest grain size shall be based on the size of the largest particles present in a significant amount to influence the coating system, by the following categories:

Fine	up to 100 µm , determined in accordance with EN 21524
Medium	up to 300 µm , determined in accordance with ISO 787-7 or EN ISO 787-18
Coarse	up to 1500 µm, determined in accordance with ISO 787-7 or EN ISO 787-18
Very coarse	up to 1500 µm , determined in accordance with ISO 787-7 or EN ISO 787-18

Quds products which match EN 13300 standard:

- QP Fine Interior.
- Yellow Can Eggshell Interior.
- Yellow Can Vinyl Matt Interior.
- Yellow Can Vinyl Silk Interior.

Product	EN 13300
QP Fine Interior	Class 1
Yellow Can Vinyl Matt Interior	Class 2
Yellow Can Eggshell Interior	Class 1
Yellow Can Vinyl silk Interior	Class 1