

Hygienic CeramicSteel Surface Specifications

Hygienic CeramicSteel is magnetic and available in additional gloss levels upon request.

Property	Testing Standard	Test result after 24 h (% of elimination)
Antibacterial activity	ISO 22196:2011 ISO 22196: 2007	Log 2 (99%) reduction Log 4 (99.99%) reduction
Antiviral activity	ISO 21702:2019	Log 3 (99.9%) reduction

Property	Specification	CeramicSteel
Total thickness enamel top coatings	ISO 2178 / ASTM B499	85 - 120 µm / 3.35 - 4.72 mills
Steel thickness	–	0.33 - 0.48 mm
Thickness back-side enamel coating	ISO 2178 / ASTM B499	Type A: 25 - 50 µm / 0.98 - 1.97 mills Type B: 35 - 50 µm / 1.38 - 1.97 mills
Total thickness	–	0.46 - 0.66 mm
Available standard widths	–	875 mm - 1219 mm
Available standard colors	–	6111 White  6100e³U 
Weight (typical)	–	2.9 - 3.2 kg/m²
Color deviation from standard	ISO 7724 / ASTM D2244-02	ΔE ⁹⁴ = 1.5 max.
Gloss	ISO 2813 / ASTM D523 60° ISO 2813 / ASTM D523 20°	(Indicative: 92 GU) 70 (+10/-5) GU
Mohs surface hardness	EN 15771	Min. 5
Scratch resistance	ISO 15695	Min. 7 N
Pencil hardness	ASTM D-3363	> 9H
Wear resistance	ASTM C 501 (Abrasive S 33/1 kg/1000 revs.)	Max. 0.1 g
Impact resistance	ISO 4532 (20N - 24h)	< 2 mm
Cold acid resistance	EN 14483-1-9 / ISO 28706-1-9	Min. A
Solvent resistance	PVNV 41.822	No change
Fire resistance	EN 13501-1 +A1	Incombustible - Class A1
Color stability	ASTM C 538	ΔE ⁹⁴ ≤ 5
Dry-erasability of drymarkers	PVNV 41.803	Excellent (ΔE ⁹⁴ ≤ 1.5)
Erasability of water-based markers with water	PVNV 41.822	Excellent (ΔE ⁹⁴ ≤ 1.5)
Erasability of permanent markers with alcohol	PVNV 41.822	Excellent (ΔE ⁹⁴ ≤ 1.5)
Durability	PVNV 41.809	RG<30%
Erasability of an aged surface	PVNV 41.809	Excellent (ΔE ⁹⁴ ≤ 1.5)
EN ISO 28762	EN ISO 28762	Fulfilled
European Enamel Authority	EEA Quality Requirements	EEA 7.17: Fulfilled
MBDC Cradle to Cradle Certified	Cradle to Cradle Bronze	Certified
PEI 1002 compliant	PEI 1002	Fulfilled
ISO 9001, ISO 14001 compliant	ISO 9001	Certified