

ALCHEMY COLLECTION

HLC

Size:	80x80
Thickness:	10,3mm
Side:	Rett.
Surface:	Natural

Product **HLC 09 - HLC 05**

Product Group: **Porcelain tile BIa - Porcelain stoneware dry pressed with water absorption $\leq 0,5\%$**

Technical Charateristics	Test Method	EN 14411:2016 Annex G Required for BIa - GL		Alchimia average value
Lenght and width	ISO 10545-2	± 0,6%	± 2,0 mm	Conform
Straightness of sides	ISO 10545-2	± 0,5%	± 1,5 mm	Conform
Rectangularity	ISO 10545-2	± 0,5%	± 2,0 mm	Conform
Flatness- Centre curvature	ISO 10545-2	± 0,5%	± 2,0 mm	Conform
Flatness - Edge curvature	ISO 10545-2	± 0,5%	± 2,0 mm	Conform
Flatness - Warpage	ISO 10545-2	± 0,5%	± 2,0 mm	Conform
Thickness	ISO 10545-2	± 5%	± 0,5 mm	Conform
Surface quality	ISO 10545-2	Minimum 95%		Conform
Water absorption	ISO 10545-3	Maximum 0,5%		Conform
Modulus of rupture	ISO 10545-4	> 35 N/mm ²		Conform
Breaking Strenght	ISO 10545-4	> 1300 N		Conform
Impact resistance	ISO 10545-5	Declared value		~ 0,89 (COR)
Linear thermal expansion	ISO 10545-8	Declared value		$\alpha = \sim 6,4 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$
Thermal shock resistance	ISO 10545-9	Pass		Conform
Moisture Expansion	ISO 10545-10	Declared value		~ 0,04 mm/m
Crazing Resistance	ISO 10545-11	Pass		Conform
Frost resistance	ISO10545-12	Pass		Conform
Chemical resistance	ISO 10545-13	Minimum class GB		Conform
Stain resistance	ISO 10545-14	Minimum class 3		Conform
Release of dangerous substances	ISO 10545-15	Declared value		Cd <0,01 mg/dm ²
Release of dangerous substances	ISO 10545-15	Declared value		Pb <0,1 mg/dm ²
Fire reaction - floor	EN 13823	Not Required		A1fl class (No reaction)
Fire reaction - wall	EN 13824	Not Required		A1 class (No reaction)
Safety Features				
Oil ramp slip resistance	DIN51130	Not Required		R9
Barefoot ramp slip resistance	DIN51097	Not Required		A
Dynamic coefficient of Friction DCOF	ANSI A137.1	Wet value ≥ 0,42		Conform
Determination of slipperiness BCR tortus	DM 236-89	> 0,40		Conform