Technical features
S/ SILVIS
EN 14411/ISO 13006/ISO 10545 Standards

Products**: CANDEO, HUMUS, CORTEX, ROBUR**

Thicknesses (mm): **14**

Sides: **Rectified**

Surface**: Unglazed**

Product group: **BIa-UGL** (Water absorption ≤ 0,5 %)

Technical characteristics		Test method	ISO 13006-G and EN 14411-G -Values required for BIa-UGL group	Serie Silvis Values
Water absorption (E)		ISO 10545-3	≤ 0,5 %	0,05 %
Bending strength		ISO 10545-4	≥ 35 N/mm^2	≥ 50 N/mm^2
Breaking strength (S)		ISO 10545-4	≥ 1300 N	≥ 6080 N (≥ 620 Kg)
Linear thermal expansion		ISO 10545-8	Not required	$\alpha \leq 7 \cdot 10^{-6}$ °C^{-1}
Thermal shock resistance		ISO 10545-9	Not required	Resistant
Crazing resistance		ISO 10545-11	No alterations	Resistant
Chemical resistance		ISO 10545-13	According to manufacturer's statement	ULA, UHA (Resistant)
Household chemicals resistance		ISO 10545-13	UB min.	UA (Resistant)
Stain resistance		ISO 10545-14	Class 3 min.	5 (Resistant)
Aesthetic classification and Shade variation		ANSI 137.1	According to manufacturer's statement	V1
Dimensions	Length and width	ISO 10545-2	± 0,6 %	± 0,2 %
	Straightness of sides	ISO 10545-2	± 0,5 %	± 0,2 %
	Rectangularity	ISO 10545-2	± 0,6 %	± 0,2 %
	Flatness	ISO 10545-2	± 0,5 %	± 0,3
	Thickness	ISO 10545-2	± 5 %	± 5 %

SLIP RESISTENCE

Technical characteristics	Test method	Values required	Serie Silvis Values
Slip Resistance	BCR-Tortus	$\mu < 0,20$ scivolosità pericolosa $0,20 \leq \mu < 0,40$ scivolosità eccessiva $0,40 \leq \mu < 0,75$ attrito soddisfacente $\mu \geq 0,75$ attrito eccellente	> 0,40
	DIN 51130	$10° \leq \alpha \leq 19°=$ classe R10 $6° \leq \alpha \leq 10°=$ classe R9	R9 (Classic) R10 (Country)
	DIN 51097	$18° \leq \alpha < 24°$ - classe B	A+B (Country)

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