

Technical Data

Certeca– Indústrias Cerâmicas, S.A. states that its monoporous, dry pressed ceramic tiles, prepared for interior wall covering, are manufactured in its industrial unit and fulfill the requirements of annex ZA, according to **EN 14411:2016** norm for system 4 in evidence of conformity and accomplish Regulation (EU) N.º 305/2011. The product features – **20x40 Collection Oslo – Anthracite, Relief Anthracite, Cream, Relief Cream, Sand, Relief Sand, Grey and Relief Grey**, are shown on the above table:

Technical features			Test method	Prescribed value	Certeca
	Dimensional characteristics	Length and width	EN ISO 10545-2	± 0,5%	± 0,2%
		Thickness		± 10%	± 3%
		Straightness		± 0,3%	± 0,15%
		Orthogonality		± 0,5%	± 0,25%
		Flatness – curvature		- 0,3% a + 0,5%	± 0,2%
		Flatness – warpage		± 0,5%	± 0,2%
	Water absorption		EN ISO 10545-3	10% < E < 20%	E < 20%
	Resistance to bending	Modulus of rupture	EN ISO 10545-4	> 15N/ mm ²	> 16N/mm ²
		Breaking strength		≥ 600N	> 600N
	Thermal shock resistance		EN ISO 10545-9	Required	Guaranteed
	Crazing resistance		EN ISO 10545-11	Required	Guaranteed
	Resistance against acids and alkalis	Low concentrations	EN ISO 10545-13	Declared by the manufacturer	GLA
		High concentration			GHA
	Clean products resistance		EN ISO 10545-13	Min. GB	GA
	Resistance to stains		EN ISO 10545-14	Min. class 3	5