
DATA SHEET

Compact 20 Porcelain Tiles

PRODUCT AND COMPANY IDENTIFICATION

Product type: Porcelain Tiles
 Trade Name: "Compact 20"
 Manufacturer: Castle Composites Limited
 Units 1-5, Nisbet Way
 Ravenstruther, Lanark, ML11 7SF

Phone No.: 01555 870003
 Fax No.: 01555 870040

Packing Information

Cardboards boxes in packs of 2 pcs.
 Stacked on wooden pallets with shrink wrap.

Product Information

Dimensions: 290 x 290 x 20mm

Weight: 4 kg each, 44kg per m²

	Norm	International standard EN 14411-G (Group BI ₃)	Average value
Dimensions tolerance	EN ISO 10545-2	± 0,75% MAX	± 0,03%
Thickness tolerance	EN ISO 10545-2	± 5% MAX	± 2,5% (2cm thickness: ± 0,5 mm)
Straightness of sides	EN ISO 10545-2	± 0,5% MAX	± 0,04%
Rectangularity	EN ISO 10545-2	± 0,6% MAX	± 0,2%
Surface flatness	EN ISO 10545-2	± 0,5% MAX	± 0,06%
Surface quality	EN ISO 10545-2	95% MIN	100%
Water absorption	EN ISO 10545-3	≤ 0,5%	± 0,01%
Breaking strength	EN ISO 10545-4	≥ 1300 N (thickness >7,5mm)	± 10082 N
Flexural strength (MOR)	EN ISO 10545-4	R ≥ 35 N/mm ²	± 40 N/mm ²
Abrasion resistance	EN ISO 10545-6	≤ 175 mm ³	118 mm ³
Coefficient of linear thermal expansion	EN ISO 10545-8	-	6,1×10 ⁻⁶ C ⁻¹

Thermal shock resistance	EN ISO 10545-9	No damage	COMPLYING
Frost resistance	EN ISO 10545-12	No damage (100 cycli)	COMPLYING
Slip resistance	DIN 51130	-	R11
Stain resistance	EN ISO 10545-14	Class 2 or higher	Class 4 Easy to clean