

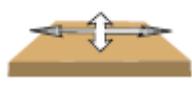


Castle Porcelain Stoneware

Technical Information



Dimensions



Width: 596 mm
 Length: 596 mm
 Depth: 20mm
 Weight: 16.5kg per slab

Accurately squared and tested in accordance with ISO 10545- 2. Close control in dimensions ensures that consistent lines and levels can always be achieved when laying.

Water Absorption

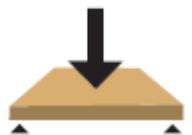


<0,1%

Tested in accordance with ISO 10545-3

As out tiles have negligible water absorption they require little or no maintenance and are not compromised by frost or temperature changes.

Breaking Load



Tested at U14 in accordance with EN 1339

When tested across the centre points and diagonals a breaking load of over 8kN was achieved consistently. This ensures that the porcelain stoneware is strong enough for use on support pads and in areas with vehicles when fully bedded.

Slip Resistance



Slip resistance is obviously very important and for that reason we have tested all variations of our porcelain stoneware to DIN 51130-51097

Ivory Beach, City Grey, Warm Sand, Charcoal Style, Grey Maculate, Ashen
R11 A+B

Quartz Stone, Golden Stone, Grey Stone, Blond, Oak, Rose, Slate Stone
R11 A+B+C

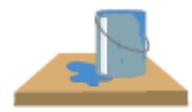
Temperature



Frost resistance and the ability of the porcelain to cope with temperature change are important features of Castle Porcelain Stoneware allowing them to be used outdoors with confidence.

Frost Resistance tested to ISO 10545-12
 Thermal Expansion tested to ISO 10545-8
 Expansion in Humidity tested to ISO 10545-10

Stain Resistance



Resistance to stains tested to ISO 10545 - 14

As our porcelain stoneware is virtually non porous spillages cannot get into the surface of the tiles. This means that spillages can simply be rinsed away.

Chemical Resistance



Resistance to Chemical Attack tested to ISO 10545-13

This test is carried out using many of the common household chemicals and dosing chemicals for swimming pools. The results of these test confirm that Castle Porcelain Stoneware is resistant to chemical attack.

Abrasion



Tested for deep scratch resistance to ISO 10545 - 14

<145 mm

Abrasion testing ensures that Castle Porcelain Stoneware are hard wearing and can be used in high trafficked areas both indoors and outdoors.