ceramic

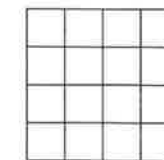## TECHNICAL SPECIFICATIONS

MML CERAMIC, E > 10% (BIII, ANNEX L)
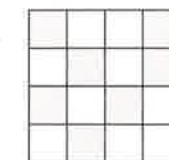
TECHNICAL FEATURES	STANDARDS	INTERNATIONAL STANDARDS	MML TYPICAL STANDARDS
DIMENSIONAL CHARACTERISTIC			
Length and width	ISO 10545-2/ EN 98	±0.50% max±2.0mm	±0.25% max±2.0mm
Thickness	ISO 10545-2/ EN 98	±10.00% max±0.5mm	±10.00% max±0.5mm
Straightness of sides	ISO 10545-2/ EN 98	±0.30% max±1.5mm	±0.30% max±1.5mm
Rectangularity	ISO 10545-2/ EN 98	±0.50% max±2.0mm	±0.30% max±2.0mm
Surface flatness			
Centre curvature	ISO 10545-2/ EN 98	+0.50% / -0.30% max+2.0mm / min-1.5mm	+0.40% / -0.20% max+2.0mm / min-1.0mm
Edge curvature	ISO 10545-2/ EN 98	+0.50% / -0.30% max+2.0mm / min-1.5mm	+0.40% / -0.20% max+2.0mm / min-1.0mm
Warpage	ISO 10545-2/ EN 98	±0.50% max±2.0mm	+0.40% / -0.20% max±2.0mm
CHEMICAL PROPERTIES			
Resistance to household chemicals & swimming pool salts	ISO 10545-13/ EN 106	min GB	GB
Resistance to staining	ISO 10545-14	min Class 3	Class 3
PHYSICAL PROPERTIES			
Water absorption	ISO 10545-3/ EN 99	E>10%	10% – 20%
Modulus of rupture	ISO 10545-4/ EN 100	≥15 N/mm²	≥15 N/mm²
Breaking strength	ISO 10545-4/ EN 100	min 600 N	min 600 N
Crazing resistance	ISO 10545-11	Required	Resistant

Note: The above generic standards on MML Ceramic serves as a general guideline only. Different types of tiles are made to meet different performance requirements. For legal compliance or for specific product technical performance please request a confirmation or report from MMSB Sales & Marketing team or agent.
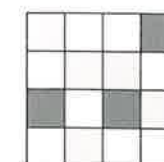
SHADE VARIATION

V1 UNIFORM APPEARANCE
Differences among pieces from the same production run are minimal.

V2 SLIGHT VARIATION
Clearly distinguishable texture and/or patterns within the same colour code.

V3 MODERATE VARIATION
While the colours present on a single piece of tile will be indicative of the colours to be expected on other tiles, the intensity of colours on each piece may vary significantly.

V4 SUBSTANTIAL VARIATION
Random shades. The tiles within the same colour code may have totally different colours and shades compared to each other. Thus, the final installation will be unique.