

























TECHNICAL CHARACTERISTICS OF THE CERAMIC MATERIAL

STANDARD ANSI A 137.1

	TECHNICAL DATA	STANDARD	INTERNATIONAL STANDARDS	*MIRAGE® AVERAGE VALUE
	SIZE CHARACTERISTICS			
	SIDES	ASTM C499	± 0.25% (± 0.8 mm)	COMPLYING
	THICKNESS	ASTM C499	± 0.04 in (± 1.02 mm)	COMPLYING
	TECHNICAL DATA	STANDARD	INTERNATIONAL STANDARDS	*MIRAGE® AVERAGE VALUE
				
	WATER ABSORPTION	ASTM C373	≤ 0.5%	0,05%
	FLEXION RESISTANCE	ASTM C648	≥ 250 lbf	> 3,000 lbf
	RESISTANCE TO THERMAL SHOCKS	ASTM C484	PASS	NO DAMAGE
	FROST RESISTANCE	ASTM C1026	AS REPORTED	NO DAMAGE
	RESISTANCE TO CHEMICALS	ASTM C650	AS REPORTED	NOT AFFECTED
	RESISTANCE TO STAINS	ASTM C1378	AS REPORTED	NOT AFFECTED

STANDARD EN 14411-G

	TECHNICAL DATA	STANDARD	INTERNATIONAL STANDARDS	*MIRAGE® AVERAGE VALUE
	SIZE CHARACTERISTICS			
	SIDES	EN ISO 10545-2	± 0,6% (± 2,0 mm)	COMPLYING
	THICKNESS	EN ISO 10545-2	± 5,0% (± 0,5 mm)	COMPLYING
	TECHNICAL DATA	STANDARD	INTERNATIONAL STANDARDS	*MIRAGE® AVERAGE VALUE
				
	WATER ABSORPTION	EN ISO 10545-3	≤ 0,5%	0,05%
	FLEXION RESISTANCE	EN ISO 10545-4	S ≥ 1.300 N (> 7,5 mm) R ≥ 35 N/mm ² .	S 13.000 N R 50 N/mm ² .
		EN 1339	-	T 11*
	IMPACT RESISTANCE	EN ISO 10545-5	DECLARED VALUE	0,80
	ABRASION RESISTANCE	EN ISO 10545-6	≤ 175 mm ³	135 mm ³
	COEFFICIENT OF LINEAR THERMAL-EXPANSION	EN ISO 10545-8	—	6,0 x10 ⁻⁶ °C ⁻¹
	RESISTANCE TO THERMAL SHOCKS	EN ISO 10545-9	PASS ACCORDING EN ISO 10545-1	NO DAMAGE
	FROST RESISTANCE	EN ISO 10545-12	PASS ACCORDING EN ISO 10545-1	NO DAMAGE
	RESISTANCE TO CHEMICALS	EN ISO 10545-13	UB MIN.	UA ULA UHA
	RESISTANCE TO STAINS	EN ISO 10545-14	DECLARED VALUE	5
	STATIC LOAD (60x60)		-	CENTRE 6,00 kN
		EN 12825	-	CENTRE POINT OF SIDE 7,00 kN
			-	DIAGONAL 4,00 kN

For specific certificates, please contact Mirage® SPA

* = Valid only for square formats.

ASTM C1028 - ANSI A137.1: Value are approximate and may vary slightly depending on the collection.

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SKID RESISTANCE

TECHNICAL DATA	STANDARD	INTERNATIONAL STANDARDS	AD	EP	NE	RR	QR	SO	TB	NA
	SURFACE	—	NAT	ST	ST	ST/STA	NAT	ST	NAT	RD
	DM. 236/89 BCRA	> 0,40	> 0,40	> 0,40	> 1	> 0,40	> 0,40	> 0,40	> 0,40	> 0,40
	ASTM C1028	DRY > 0,60	> 0,90	> 0,85	> 0,70	> 0,70	> 0,85	> 0,85	> 0,70	> 0,85
	ASTM C1028	WET > 0,60	> 0,70	> 0,65	> 0,85	> 0,70	> 0,80	> 0,75	> 0,70	> 0,70
	ANSI A137.1	WET > 0,42	> 0,60	> 0,50	> 0,65	> 0,60	> 0,65	> 0,50	> 0,75	> 0,60
	DIN 51130	—	R11	R11	R11	R11	R11	R11	R10	R11
	DIN 51097	—	A+B	A+B+C	A+B+C	A+B+C	A+B	A+B+C	A	A+B
	ENV 12633	≥ CL1	CL3	CL3	CL3	CL3	CL3	CL2	CL2	CL3

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SKID RESISTANCE

TECHNICAL DATA	STANDARD	INTERNATIONAL STANDARDS	NN	RL	SI	SD	GC	LB	MP	OF
	SURFACE	—	RD	RD	RD	RD	ST	ST	ST	ST
	DM. 236/89 BCRA	> 0,40	-	> 0,40	> 0,40	> 0,40	> 0,40	> 0,40	> 0,40	> 0,40
	ASTM C1028	DRY > 0,60	> 0,85	-	> 0,85	> 0,90	> 0,95	-	> 0,85	> 0,95
	ASTM C1028	WET > 0,60	> 0,70	> 0,70	> 0,70	> 0,70	> 0,80	> 0,80	> 0,70	> 0,70
	ANSI A137.1	WET > 0,42	> 0,60	> 0,55	> 0,55	> 0,75	> 0,60	> 0,50	> 0,65	> 0,65
	DIN 51130	—	R11	R11	R11	R11	R11	R11	R11	R11
	DIN 51097	—	A+B	A+B+C	A+B	A+B+C	A+B+C	A+B+C	A+B	A+B
	ENV 12633	≥ CL1	CL3	CL3	CL3	CL3	CL3	CL3	CL3	CL3



- DM. 236/89 BCRA: Italy
- ASTM Wet and Dry: USA, Canada, Mexico
- DIN 51130: Germania and Europe
- DIN 51097: Germania and Europe
- ENV 12633: Spain