

Range Name:
Drive Cement

Ref: TDS-Drive Cement-26D1
Technical specification of dry pressed ceramic wall tiles manufactured in accordance with the EN 14411 standard, Blll group.

Physical Properties	Result
Group	Blll
Values According To	EN14411
Material	Porcelain
Colours	Ivory, Cream, Sand, Ice, Smoke, Carbon
Finish	Matt, Structured (600x600x8.5mm Tile Only)
Size Formats (mm)	300x600, 600x600, 600x1200, 300x300 Mosaic, 400x400 Mosaic, 600x1200 3D Scratch
Thickness (mm)	8.5mm, 20mm (600x600 Only)
Rectified	Yes
Shade Variation	V2

Technical Properties	Testing To Standard	Length of Edge 7≤N(cm)<15	Length of Edge N(cm)≥15
Tolerances			
Length and width`	ISO 10545-2	±2% (max 5mm)	±2% (max 5mm)
Length and width			
Not Rectified	ISO 10545-2	±0,9 mm	±0,6% / ±2,0mm
Rectified	ISO 10545-2	± 0,4 mm	±0,3 % / ±1,0mm
Thickness			
Not Rectified	ISO 10545-2	±0,5 mm	±5% / ±0,5mm
Rectified	ISO 10545-2	±0,5 mm	±5% / ±0,5mm
Straightness of sides			
Not Rectified	ISO 10545-2	±0,75 mm	±0,5 % / ±1,5mm
Rectified	ISO 10545-2	±0,4 mm	±0,3 % / ±0,8mm
Rectangularity			
Not Rectified	ISO 10545-2	±0,75 mm	±0,5% / ±2,0mm
Rectified	ISO 10545-2	±0,4 mm	±0,3% / ±1,5mm
Surface Flatness c.c - e.c. - W.			
Not Rectified	ISO 10545-2	±0,75 mm	±0,5% / ±2,0mm
Rectified	ISO 10545-2	±0,6 mm	+0.4% / ±1,8mm
Surface Quality	ISO 10545-2	≥95%	≥95%

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Technical Properties	Testing To Standard	Values
Tolerances cont.		
Nominal Size	ASTM C499	Compliant
Caliber Range	ASTM C499	Compliant
Wedging	ASTM C502	Compliant
Warpage edge	ASTM C485	Compliant
Warpage Diagonal	ASTM C485	Compliant
Thickness (2)	ASTM C499	Not Affected
Water absorption %	ISO 10545-3	≤ 0,5
Color Uniformity (8)	ASTM C609 & Section 9.3	Compliant
Modulus of rupture (N/mm²)	ISO 10545-4	≥ 35
Breaking Stength (N)	ISO 10545-4	≥ 1300
Visible Abrasion Resistance	ASTM 1027	Dark Colors: IV / Light Colors: V
Linear thermal expansion coefficient (x10 ⁻⁶ /°C)	ISO 10545-8	≤ 9
Thermal shock resistance	ISO 10545-9	Complies with the standards
Thermal Shock (5)	ASTM C484	Pass
Crazing Resistance	ISO 10545-11	Complies with the standards
Frost resistance	ISO 10545-12	Complies with the standards
Resistance to Freeze/ Thaw Cycling	ASTM C1026	No Damage
Reaction to fire	-	A1 _{FL} / A1
Color resistance to light exposure	DIN 51094	Complies with Standards
Bond Strength	ASTM C482	Compliant
Resistance to chemicals		
Household use and swimming pool salts	ISO 10545-13	A
Concentrations of acids and alkalis	ISO 10545-13	LA-LB
High concentrations of acids and alkalis	ISO 10545-13	HA-HB
Stain resistance	ISO 10545-14	Class 5
Slipperiness Resistance: Ramp Method	DIN EN 16165 Annex B (ex DIN 51130); ASR A1.5	R10 B PTV+36
Slipperiness Resistance: Ramp Method	DIN EN 16165 Annex A (ex DIN 51097) DGUV Information 207-006	B(A+B)
Slipperiness Resistance: B.C.R.	D.M. N.236 14/6/89	μ > 0,40
Slipperiness Resistance: Pendulum	UNE EN 16165 Appendix C (ex UNE 41901:2017 EX - DBSUA)	Class 3
Slipperiness Resistance: Pendulum	BS7976-2:2002 / BSEN13036-4:2011	>36
Dynamic coefficient of friction (DCOF)	ANSI 326.3:2021	≥ 0,60 – IW+- EW

