



Designopave Technical Data Sheet

Technical Features	Test Method	Results	
Length and Width	ISO 10545-2	±0.07%	
		±0.36mm	
Thickness		±1.9%	
		±0.25mm	
Straightness of Sides		±0.15%	
		±0.89mm	
Rectangularity		±0.09%	
		±0.56mm	
Surface Flatness		±0.12%	
		±1.01mm	
Water Absorption		ISO 10545-3	E ≤ 0.38%
Breaking Strength		ISO 10545-4	S ≥ 11000N
Modulus of Rupture			R ≥ 42.5N
Abrasion Resistance		ISO 10545-6	Class 4
Thermal Shock Resistance	ISO 10545-9	Resistant	
Resistance to Household Chemicals and Swimming Pool Salts	ISO 10545-13	Passed	
Moisture Expansion (in mm/m)	ISO 10545-10	≤0.72mm/m	
Frost Resistance	ISO 10545-12	Resistant	
Impact Resistance, as Coefficient of	ISO 10545-5	≥0.7	
Mohs Hardness	EN 101	7	
Resistance to Staining	ISO 10545-14	Class 5	
Coefficient of Friction (COF)	B.C.R.A.Rep.CEC/81	1.21 Dry	
		1.19 Wet	
Dynamic Coefficient of Friction	ANSI A137.1-2012	0.64 Dry	
		0.61 Wet	
Static Coefficient of Friction (SCOF)	ASTM C1028-2007	≥0.80 Dry	
		≥0.80 Wet	
Slip Resistance	AS 4586:2013 Appendix A	P4-P5	
Pendulum Friction Test	Appendix A (Four S Rubber)	Class V	
Barefoot Ramp Test	DIN 51097 (CEN/TS 16165 Annex A)	C	
Shod Ramp Test	DIN 51130 (CEN/TS 16165 Annex A)	R11	
Pendulum Friction Test	BS 7976-2002 (CEN/TS 16165 Annex C)	PTV>90 Dry	
		PTV>60 Wet	