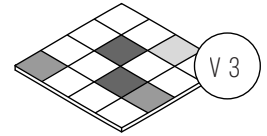


Brooklyn Range



Product Type	Glazed Ceramic	Country of Origin	China
Product Size	50 X 450 X 9.2MM	Slip Rating	N/A

Technical Features	Test Method	Unit	Requirement		Avg. Results	
Dimensions and Surface Quality			(%)	(mm)	(%)	(mm)
Length & Width	ISO 10545-2:2002	N≥15cm	± 0.3	± 1.0	+0.03~+0.08	+0.1~+0.4
Thickness	ISO 10545-2:2002	N≥15cm	± 5.0	± 0.5	-0.6~+1.4	-0.1~+0.1
Straightness of Sides	ISO 10545-2:2002	N≥15cm	± 0.3	± 0.8	0~+0.02	0~+0.1
Rectangularity	ISO 10545-2:2002	N≥15cm	± 0.3	± 1.5	+0.03~+0.06	+0.1~+0.3
Surface Flatness - centre curvature	ISO 10545-2:2002	N≥15cm	± 0.4	± 1.8	-0.04~+0.04	-0.2~+0.2
Surface Flatness - edge curvature	ISO 10545-2:2002	N≥15cm	± 0.4	± 1.8	-0.04~0	-0.2~0
Surface Flatness - warpage	ISO 10545-2:2002	N≥15cm	± 0.4	± 1.8	-0.04~+0.04	-0.2~+0.2
Surface Quality - Appearance	ISO 10545-2:2002	% of acceptable tiles	Min 95%		Complies	
Physical Properties						
Water Absorption	ISO 10545-3:2001	E _b % (Percent mass fraction)	0.5%<E _b ≤3% Ind. max. 3.3%		1.5% 1.3%~1.8%	
Breaking Strength	ISO 10545-4:2003	N	≥min 1100 N		1951	
Modulus of Rupture	ISO 10545-4:2003	N/mm ²	Min. ≥30 Ind. min. ≥27		43.4 39.0~47.3	
Abrasion Resistance	ISO 10545-7:2001	-	Abrasion Class Cycles Passed		Class 3 1500	
Thermal Expansion Coefficient	GT/B 4100-2015	Ambient temp to 100°C	As Reported		5.6x10 ⁻⁶ °C ⁻¹	
Thermal Shock Resistance	GT/B 4100-2015	-	As Reported		Fully Resistant	
Crazing Resistance	ISO 10545-11:2001	-	As Reported		Fully resistant	
Frost Resistance	GT/B 4100-2015	-	As Reported		Fully resistant	
Slip Resistance	GT/B 4100-2015	-	As Reported		N/A	
Fire Resistance	EN ISO 13501-1	-	As Reported		Class A1-A1 _{fl}	
Chemical Properties						
Household Chemicals	ISO 10545-13:2018	100g/L	Min B		A	
Swimming Pool Salts	ISO 10545-13:2018	20mg/L	Min B		A	
Low Concentration of Acids & Alkalis	ISO 10545-13:2018	-	As Reported		LA	
High Concentration of Acids & Alkalis	ISO 10545-13:2018	-	As Reported		HA	

The information contained in this Technical Data Sheet is provided in good faith and is based on current knowledge and experience. It is intended for general guidance only and may be subject to change without notice. It is the responsibility of the user to ensure that the product is suitable for the intended application and complies with all relevant local building codes, Australian Standards, and regulations. The data in this report does not constitute a warranty of any kind, either express or implied, and should not be interpreted as such. Any warranties related to the product are solely governed by the terms and conditions of the purchase agreement or any applicable statutory warranties under Australian Consumer Law.