



Technical Specifications



CLASSIFICATION ACCORDING TO SANS 1449:2012

Product Name

GLACIER BEIGE ECO 800X800

Product Code

IGL301EA

Date of Test

2022-03-22

Parameter	Standard	Required	Achieved
Length Range (mm)	SANS 1449	± 0.5%	800
Width Range (mm)	SANS 1449	± 0.5%	800
Thickness Range (mm)	SANS 1449	± 5%	8.4
Straightness of Sides (%)	SANS 1449	± 0.3%	± 0.3
Rectangularity (%)	SANS 1449	± 0.5	± 0.5
Centre Curvature (%)	SANS 1449	+0.5 / -0.3	+0.5 / -0.3
Edge Curvature (%)	SANS 1449	+0.5 / -0.3	+0.5 / -0.3
Warpage (%)	SANS 1449	± 0.5	± 0.5
Water Absorption (%)	SANS 1449	0.5 < E < 3	2.30
Modulus of Rupture (Mpa)	SANS 1449	MIN 30	49.04
Scratch Resistance (MOHS)	SANS 1449	MIN 5	7.5
Resistance to Surface Abrasion (PEI)	SANS 1449	MIN 2 LOW	4 HIGH
Slip Resistance Rating	DIN 51130	MIN 2 LOW	-
Coefficient of Linear Thermal Expansion (10-6/C)	SANS 1449	MAX 9	4.2-6.4
Resistance to Household Chemicals & Swimming Pool Agents	SANS 1449	MIN CLASS B	CLASS AA
Resistance to Staining	SANS 1449	MIN CLASS II	CLASS I
Resistance to Cracking	SANS 1449	NO CRAZING	NO CRAZING
Moisture Expansion	SANS 1449	< 0.05%	0.015