

Rainier Testing Data, and Load Specifications

Properties

Property	Requirement	Results
Weight		4.76 lbs / linear foot
Density		144 lb / cubic foot
Temperature/Moisture Effect	ICC-ES AC174	Meets Code
Creep Relaxation	ICC-ES AC174	Meets Code
UV Resistance	ICC-ES AC174	Meets Code
Resistance to surface abrasion	UNE-EN-ISO 10545-7	PEI III
Compressive Modulus		4061 PSI
Moisture expansion	UNE-EN-ISO 10545-10	< 0.1 mm/m
Chemical resistance	UNE-EN-ISO 10545-13	HA/LA
COF of Linear Thermal Expansion	ASTM D696	$5,3 \times 10^{-6}$ oC-1
Resistance to stains	UNE-EN-ISO 10545-14	Class 5
Dynamic coefficient of friction	ANSI A137.1	0.7 (R11)
Water Absorption	ANSI A137.1	< 1%
Reaction to fire	UNE-EN 13501-1	A1 No reaction

Tolerances

Property	Requirement	Results
Width	UNE-EN-ISO 10545-2	± 0.04" (1 mm)
Length	UNE-EN-ISO 10545-2	± 0.04" (1 mm)
Thickness	UNE-EN-ISO 10545-2	± 0.04" (1 mm)
Straightness of sides	UNE-EN-ISO 10545-2	± 0.06" (1.5 mm)
Rectangularity	UNE-EN-ISO 10545-2	± 0.06" (1.5 mm)
Lateral curvature	UNE-EN-ISO 10545-2	± 0.06" (1.5 mm)
Warpage	UNE-EN-ISO 10545-2	± 0.08" (2 mm)

Live Load Limits

Maximum Capacity is determined by the sub-floor structure

The Tanzite can handle 500 lbf / sq. ft. when placed on equivalent sup-floor

Use on stairs

Maximum Capacity is determined by the sub-floor structure

The Tanzite can handle a concentrated load of 300 lbf when placed on equivalent sup-floor