

Property comparison with other relevant materials

Material Property	Unit	Crystal Stone	Marble	Granite
Specific Gravity	g/cm ³	2.65-2.7	2.5	2.7
Compression Strength	MPa	400	220	295
Rupture Strength	MPa	35	15	20
Charpy Shock Strength	KJ/m ²	3.34	1.9	2.5
Mohs Hardness	--	6.0-6.5	3-5	5.5-6.0
Water Absorption	%	0.02	0.30	0.35
Diffusion Reflectivity	%	85	55	66
Acid Resistance	1% H ₂ SO ₄ %	0.08	10.2	1
Alkali Resistance	1% NaOH %	0.05	0.30	0.1
Thermal Expansion Coefficient	x 10 ⁻⁷ /°C	25-40	80-260	50-150
Radioactivity	--	No	Yes	Yes
Compression strength		Excellent	Poor	Average
Hardness		Excellent	Poor	Good
Abrasive Resistance		Excellent	Poor	Excellent
Water Absorption		Zero	Poor	Average
Weathering Quality		Excellent	Average	Good
Acid & Alkali Resistance		Excellent	Poor	Good
Luster Durability		Excellent	Average	Good