

zellij brick

technical data

properties	test method	prescribed values	value
WATER ABSORPTION	ISO 10545-3	Eb ≤0.5% (maximum individual value 0.6%)	Eb ≤0.5%
BENDING STRENGTH	ISO 10545-4	Thickness ≥ 7.5mm: S ≥ 1.300 N R ≥ 35 N/mm ² (minimum individual value 32 N/mm ²)	R ≥22
THERMAL SHOCK RESISTANCE	ISO 10545-9	Pass	Complies with the standards
FROST RESISTANCE	ISO 10545-12	Pass	Complies with the standards
CHEMICAL RESISTANCE	ISO 10545-13	Minimum B Declared value Declared value	A LA-LB HA-HB
STAIN RESISTANCE	ISO 10545-14	Minimum Class 3	Class 5

Variation is an inherent property of tiles and stone. Sizes are nominal and may include a joint.



The **GREENGUARD** Environmental Institute is an industry-independent organisation with a mission to improve indoor air quality and reduce people's exposure to chemicals and other pollutants. GREENGUARD Environmental Institute certifies products and materials for low chemical emissions and provides a resource for choosing healthier products and materials for indoor environments. Certified products must meet chemical emissions standards based on established criteria from key public health agencies.



EPD (Environmental Product Declaration) assessed its products' environmental impact throughout their life cycle, from extraction and processing of the raw materials through to the recycling of demolition spoil. The findings of this LCA (Life Cycle Assessment), performed in accordance with the ISO 14040 series international standards, have been published in the Environmental Product Declaration (ISO 14025 and EN 15804), contributing to the attainment of LEED.



Living Building Challenge (LBC) Red List Free is a status indicating that a product contains none of the harmful chemicals listed on the Red List. For a manufacturer to claim a product is Red List Free, it must disclose 100 percent of ingredients and be found to obtain no Red List chemicals at levels at or above 100ppm or 0.01 percent. Products with the Red List Free label are in compliance with the LBC's goals of ingredient transparency and industry-wide elimination of all Red List chemicals.



A European Union ecological quality mark that guarantees lower energy consumption in production processes, lower atmospheric and wastewater emissions, use of substances that are not dangerous for humans and the environment, use of quarries with correct environmental management, more effective consumer information and improved waste management.



Italian **GREEN BUILDING COUNCIL**, the association of top players working to transform the building market towards sustainability and to build liveable communities. GBC Italian members promote environmental, economic and social responsibility, innovating buildings in terms of engineering, design, manufacturing and use, health agencies.



LEED (Leadership in Energy and Environmental Design) is an internationally recognized green building certification system, providing third-party verification that a building or community was designed and built using strategies aimed at improving performance across all the metrics that matter most: energy savings, water efficiency, CO2 emissions reduction, improved indoor environmental quality, and stewardship of resources and sensitivity to their impacts.