

LIMRA SESAME LIMESTONE

TECHNICAL DATA SHEET

Limra Sesame Limestone is a Turkish natural limestone with a light, refined appearance and a predominantly calcitic composition. Its relatively soft and workable character makes it suitable for architectural applications where a clean natural surface and ease of fabrication are required.

ORIGIN	Turkey
COMMERCIAL NAME	Limra Sesame Limestone
ROCK TYPE	Limestone
MAIN COMPONENT	Calcite (CaCO ₃)

APPLICATIONS

- Flooring
- Wall Cladding
- Facades
- Bathrooms
- Staircases
- Hotel Projects
- Villas & Residences
- Commercial Buildings
- Landscape Projects
- Public Spaces

AVAILABLE FINISHES

Polished, Honed, Brushed, Tumbled, Filled, Unfilled,
Sandblasted, Bush Hammered, Antique.

TEST RESULTS OF THE PHYSICAL PARAMETERS

Physical Properties	Unit	Range	Average Value
Bulk density	g/cm ³	2.35 – 2.55	~2.43
Uniaxial compressive strength	MPa	50 – 75	—
Porosity	%	0.1 – 15	—
Mohs hardness	Mohs	3	3
Calcite content	%	90 – 99	—
Secondary components	—	Variable	—
Loss on ignition (LOI)	%	~43 – 44	—

PETROGRAPHIC & CHEMICAL PARAMETERS

Petrographic identification	Micritic or sparitic cemented; bioclastic / intraclastic sedimentary texture.
Main component	Calcite (CaCO ₃), approximately 90 – 99%.
Secondary components	Magnesium carbonate (dolomitic contributions), silica, clay and opaque minerals.
Freeze-thaw resistance	50-cycle freeze-thaw testing is relevant due to the porous structure; exterior selection should consider resistance.

TECHNICAL NOTE

No unsupported average values have been added where the supplied information provides only a range.