

Product Data Sheet

Sintered Stone - Compact Surface Slabs

Description

Description	Sintered Stone is a fully compacted mineral surface material produced by sintering a blend of natural raw materials — quartz, feldspar, silica, and clay — under extreme heat (approx. 1200°C) and high pressure, without the use of resin binders. The process replicates the natural metamorphic formation of stone in a matter of hours, producing a dense, low-porosity slab with high mechanical and chemical resistance.
Standard Slab Size	1200 mm x 2400 mm
Applications	Kitchen countertops, vanity tops, flooring, wall cladding, building facades, furniture surfaces

Key Benefits

- Ultra-low water absorption and near-zero porosity
- High scratch, stain, and chemical resistance
- Resin-free composition — fully mineral, fire and heat resistant
- UV-stable; suitable for both indoor and outdoor applications
- Large-format 1200 x 2400 mm slabs minimise visible joints

Technical Specifications

Parameter	Unit	Specification	Test Method
Slab Size	mm	1200 x 2400	—
Thickness	mm	6 / 12 / 20 / 30 (on request)	—
Water Absorption	%	≤ 0.1	EN 14617 / ISO 10545-3
Flexural Strength (MOR)	MPa	≥ 40	EN 14617-2
Scratch Resistance	Mohs	7 – 8	Mohs Scratch Method
Fire Resistance	—	Incombustible (Class A1)	EN 13501-1
Chemical Resistance	—	Excellent (acid/alkali resistant)	EN ISO 10545-13
Finish Options	—	Polished / Matte / Silk / Textured	Visual

Packaging

- A-frame crates, slab-protected with edge and surface padding
- Custom crating available for export orders

Storage & Handling

- Store slabs vertically on A-frames on a level, stable surface
- Handle with suction cups / mechanical slab lifters to avoid edge chipping
- Avoid point-loading; support evenly during transport and installation

Disclaimer: Information is provided as a general guide and may be revised without notice; buyers should confirm suitability for specific applications through their own testing.