



Architectural
Stone
Surfaces®

Technical Data Sheet - Sintered Stone Slabs

PRODUCT DESCRIPTION

MAMO Sintered Stone is an advanced architectural surface crafted from a precise blend of natural minerals and state-of-the-art sintering technology. Designed for durability, versatility, and beauty, MAMO Sintered Stone is ideal for use in interior and exterior applications including benchtops, cladding, joinery surfaces, flooring, and more.

Available Thicknesses: 6mm, 12mm, 20mm

Available Sizes: 3200 x 1600mm, 2700 x 1200mm

INDEPENDENT TESTING & CERTIFICATION

MAMO Sintered Stone products have been rigorously tested and verified by the following accredited laboratories and certifying bodies:

- Stone Initiatives (Australia) – Mechanical, chemical, and stain resistance testing.
- SGS – Thermal, mechanical, chemical, and safety performance testing of 6mm, 12mm, and 20mm slabs.
- EPD Program – Environmental Product Declaration developed and verified under ISO 14025 and EN 15804.

All data reported in this document are derived from these accredited test reports and certifications.

TECHNICAL PERFORMANCE SUMMARY

All values represent typical results based on accredited laboratory testing.

Property	6mm	12mm	20mm	Test Method
Water Absorption (%)	0.051	0.022	0.02	EN ISO 10545-3
Modulus of Rupture (N/mm ²)	52.3	54.3	63	EN ISO 10545-4
Breaking Strength (N)	995.8	4836.3	17472	EN ISO 10545-4
Impact Resistance (Coefficient of Restitution)	0.83	0.88	0.77	EN ISO 10545-5
Thermal Shock Resistance	No visible defects	No visible defects	No visible defects	EN ISO 10545-9
Frost Resistance	No visible defects	No visible defects	No visible defects	EN ISO 10545-12
Chemical Resistance	Class A	Class A	Class A	EN ISO 10545-13
Stain Resistance	Class 5	Class 5	Class 5	EN ISO 10545-14
Linear Thermal Expansion (10 ⁻⁶ /°C)	5.0	4.9	4.2 / 3.4	EN ISO 10545-8
Mohs Hardness	6	6	6	EN 15771:2010
Abrasion Resistance (Unglazed Tiles) mm ³	86	89	-	EN ISO 10545-6
Fire Classification	A1	A1	A1	EN 13501-1

ENVIRONMENTAL DECLARATION

MAMO Sintered Stone products are backed by an independently verified Environmental Product Declaration (EPD) aligned with ISO 14025 and EN 15804 standards. The EPD provides a comprehensive analysis of the product's environmental impact throughout its life cycle, including:

- Raw material sourcing
- Manufacturing
- Transportation
- Installation
- Use phase
- End-of-life disposal

Key Highlights from EPD:

- Product Category: Ceramic Slabs / Sintered Stone
- Reference Service Life: 50 years
- Global Warming Potential (GWP, A1-A3): 6.30 kg CO₂-eq/m²

CONTACT INFORMATION

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