

TECHNICAL DATA SHEET (TDS)

INDICATIVE SPECIFICATION SHEET — FOR REFERENCE ONLY

Inlaid Marble Flooring

Continuous Wall-to-Wall Architectural Stone Compositions with Zero-Grout Hairline Transitions

Engineered for grand residential foyers, five-star hotel lobbies, diplomatic reception rooms, and axial galleries. Art Inlay continuous marble floors integrate central carpets, cross-axial bands, and perimeter field slabs into a single numbered installation system.

01 · PHYSICAL, MECHANICAL & DIMENSIONAL DATA

INDICATIVE REFERENCE VALUES (ASTM / DIN / EN)

Document Reference	TDS-MI-2026 (Rev. 2026.10)
Cutting Precision	±0.1 mm multi-axis abrasive waterjet direct from architectural CAD
Finished Seam Width	0.3 – 0.5 mm colour-matched structural resin (groutless monolithic surface)
Standard Thickness	20 mm solid stone (18 mm and 30 mm available to match adjacent flooring)
Module Size Range	600 × 600 mm to 1,400 × 1,400 mm interlocking numbered cassettes
Water Absorption	≤ 0.18% (ASTM C97) · Pre-sealed on all 6 faces prior to crating
Abrasion & Traffic Rating	Heavy Commercial & Palatial Residential (ASTM C241 Ha ≥ 15)
Slip Resistance (DIN 51130)	R9 Polished · R10 Honed · R11 Spa/Wet-Area Micro-Honed
Underfloor Heating / Cooling	Fully compatible with hydronic & electric systems; max thermal delta ΔT ≤ 15°C
Lead Time & Delivery	6–10 weeks ex-works Jiangmen · Shipped CIF port or DAP project site

02 · REFERENCE STONE & METAL PAIRINGS

Calacatta Oro (Carrara, Italy)

Warm ivory ground with golden-taupe veining · Density 2.71 g/cm³

Nero Marquina (Markina, Spain)

Deep fine-grained jet black with subtle calcite veins · Density 2.69 g/cm³

Emperador Dark (Murcia, Spain)

Rich espresso brown brecciated marble · Density 2.72 g/cm³

Crema Marfil (Alicante, Spain)

Uniform warm champagne limestone-marble · Density 2.70 g/cm³

Bardiglio Nuvolato (Tuscany, Italy)

Dove-grey architectural marble for tonal geometric fields · Density 2.71 g/cm³

03 · ATELIER ENGINEERING & QA PROTOCOL

Room Perimeter & Doorway Calibration

Every field slab and border mitre is custom-scaled to the exact structural room survey so patterns never clip awkwardly at columns, thresholds, or stair risers.

Structural Backing & Mesh Reinforcement

All multi-piece inlaid cassettes receive high-tensile alkali-resistant fiberglass mesh bonded with structural epoxy on the underside.

Pre-Shipment Dry-Lay Verification

100% of the floor is dry-assembled on our Jiangmen factory floor, checked for vein continuity and flatness, and laser-numbered before crating.

Site Installation & Final Polish

Installed over a level screed using white C2TES1/S2 flexible adhesive; can be installed factory-finished or given a final pass polish on site.

04 · ARCHITECTURAL SPECIFICATION & SITE INSTALLATION SUMMARY

CSI MASTERFORMAT REFERENCE

09 30 33 — Bespoke Inlaid Marble Flooring

BEDDING METHOD

100% back-buttered full-contact bed (no spot bonding permitted)

SUBFLOOR DEFLECTION LIMIT

L/720 maximum live/dead load deflection for natural stone assemblies

MAINTENANCE PROTOCOL

Clean exclusively with pH-neutral stone soap (pH 7.0); re-apply penetrating sealer every 24–36 months

IMPORTANT NOTICE — FOR REFERENCE ONLY: All technical parameters, stone densities, and dimensional tolerances in this sheet are provided for preliminary architectural reference only. Because natural stone varies by quarry block, final project-specific engineering specifications, 1:1 CAD shop drawings, and physical slab submittals are issued for formal sign-off prior to fabrication.