

TECHNICAL DATA SHEET (TDS)

INDICATIVE SPECIFICATION SHEET — FOR REFERENCE ONLY

Bespoke Marble Medallions

Radial, Octagonal & Elliptical Architectural Focal Points Scaled to Double-Height Foyers & Domes

Custom-proportioned marble medallions designed to anchor entrance rotundas, double-height villa foyers, elevator lobbies, and formal dining rooms. Available from 1.2 m single-piece medallions up to 6.0 m+ multi-sector palatial centrepieces.

01 · PHYSICAL, MECHANICAL & DIMENSIONAL DATA

INDICATIVE REFERENCE VALUES (ASTM / DIN / EN)

Document Reference	TDS-MM-2026 (Rev. 2026.10)
Standard Diameter Range	1,200 mm to 6,000+ mm (Circular, Octagonal, Elliptical, Square Carpet)
Module Segmentation	Monolithic single unit $\leq$ 1,500 mm · Interlocking radial sectors $>$ 1,500 mm
Core Options & Weight	20 mm Solid Stone (56 kg/m ²) or 20 mm Aluminium Honeycomb (16 kg/m ²)
Cutting & Joint Tolerance	$\pm$ 0.1 mm CNC waterjet · 0.3 mm hand-lapped resin-closed seams
Metal Accent Integration	Solid C28000 architectural brass (2 mm / 3 mm / 5 mm) mechanically keyed
Flatness Tolerance	$\pm$ 0.2 mm across 2,000 mm straightedge (zero lippage factory calibrated)
Surface Finishes	Mirror Polish (85+ GU), Satin Honed (25 GU), or Brushed Antiqued
Packaging & Indexing	ISPM-15 timber A-frame crate with alpha-numeric sector map (A1–A8, B1–B16)
Production Lead Time	6–10 weeks ex-works Jiangmen after CAD & slab approval

02 · REFERENCE STONE & METAL PAIRINGS

Statuario Venato (Carrara, Italy)

Pure bright white background with dramatic grey structural veining

Giallo Siena (Siena, Italy)

Saturated ochre-gold Italian marble for classical acanthus & sunburst motifs

Rosso Levanto (Liguria, Italy)

Deep cherry-burgundy serpentine marble for regal contrast

Verde Alpi (Aosta, Italy)

Forest-green alpine stone for botanical & heraldic medallions

C28000 Solid Architectural Brass

CNC-cut solid brass fillets and compass points bonded flush with stone

03 · ATELIER ENGINEERING & QA PROTOCOL

Chandelier & Dome Axis Alignment

We coordinate the medallion centre boss and radial points directly with your reflected ceiling plan (RCP) so the floor geometry locks onto overhead domes and chandeliers.

Keyed Radial Sector Engineering

Medallions over 1.5 m are engineered with staggered, interlocking sector joints that follow natural pattern boundaries rather than cutting straight across motifs.

Lightweight Honeycomb Option (16 kg/m²)

For elevator cabs, suspended slabs, superyachts, and private aircraft, a 5 mm stone inlay face is bonded to a 15 mm aerospace aluminium honeycomb core.

Full Dry-Assembly Sign-Off

You receive overhead high-resolution photography and video of the completed medallion on our atelier floor before the crate is sealed.

04 · ARCHITECTURAL SPECIFICATION & SITE INSTALLATION SUMMARY

CSI MASTERFORMAT REFERENCE

09 30 33 — Custom Radial Stone Medallions

SETTING SEQUENCE

Dry-lay all radial sectors on site from centre boss outward before mixing adhesive

RECOMMENDED FOYER CLEARANCE

Maintain a minimum 600–900 mm surrounding field border between medallion outer ring and walls

ADHESIVE SPECIFICATION

White non-staining C2TES1 cementitious adhesive or two-part structural epoxy for honeycomb panels

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.