

TECHNICAL DATA SHEET (TDS)

INDICATIVE SPECIFICATION SHEET — FOR REFERENCE ONLY

Marble Borders, Friezes & Brass Accents

Pre-Assembled Linear Perimeter Bands, Dedicated Corner Blocks & Hybrid Stone-Brass Transitions

Architectural running borders frame floor compositions, define circulation zones in open-plan villas and hotel corridors, and absorb dimensional variance between patterned center fields and structural walls.

01 · PHYSICAL, MECHANICAL & DIMENSIONAL DATA

INDICATIVE REFERENCE VALUES (ASTM / DIN / EN)

Document Reference	TDS-MB-2026 (Rev. 2026.10)
Linear Cassette Length	800 – 1,200 mm factory pre-assembled interlocking running modules
Standard Border Widths	120 mm, 180 mm, 250 mm, 350 mm (custom widths scaled to room proportions)
Corner Mitre Architecture	Dedicated 90° and 135° monolithic L-shaped corner blocks (no site mitre cutting)
Thickness Calibration	20 mm (±0.2 mm) calibrated flush with surrounding field stone slabs
Metal Inlay Profiles	2 mm, 3 mm, or 5 mm solid C28000 brass strips with mechanical dovetail key
Cutting & Seam Tolerance	±0.1 mm CNC waterjet · 0.3 mm resin-bonded factory joints
Movement Joint Alignment	Engineered so structural control joints fall cleanly along outer border edges
Packaging & Labelling	Sequential perimeter numbering (N1–N12, E1–E12, Corner NW/NE/SE/SW)
Production Lead Time	6–10 weeks ex-works Jiangmen (shipped worldwide CIF or DAP)

02 · REFERENCE STONE & METAL PAIRINGS

Thassos Pure White & Nero Marquina

Crisp classical Greek Key (Meander) and geometric fretwork contrast

Azul Macaubas & Statuario

Rare Brazilian sky-blue quartzite paired with Carrara white for coastal estates

Calacatta Viola & Brushed Brass

Burgundy-veined Italian breccia framed with 3 mm solid brass fillets

Emperador Dark & Crema Marfil

Warm tonal guilloche and rope-twist borders for traditional residences

03 · ATELIER ENGINEERING & QA PROTOCOL

Repeat Pitch & Corner Resolution

The most common failure in site-cut borders is a broken pattern repeat at the corner. We calculate the exact room length and adjust the linear repeat pitch by fractions of a millimeter so every corner resolves into a symmetrical corner block.

Pre-Assembled Cassette Backing

Instead of shipping hundreds of loose 15 mm strips, we bond the entire border motif into rigid 1,000 mm linear cassettes backed with fiberglass mesh.

Mechanical Brass Retention

Brass strips are roughened on three sides and locked into dovetailed stone channels with two-part structural epoxy so thermal expansion never lifts the metal.

Sequential Perimeter Numbering

Every linear cassette and corner unit is numbered clockwise around the room plan for rapid, error-free site installation.

04 · ARCHITECTURAL SPECIFICATION & SITE INSTALLATION SUMMARY

CSI MASTERFORMAT REFERENCE

09 30 33 — Architectural Stone Perimeter Borders & Metal Inlays

THRESHOLD & STAIR INTEGRATION

Matching border profiles available for door saddles, stair treads, and skirting plinths

SITE LAYOUT SEQUENCE

Set dedicated corner blocks first, establish chalk lines, then lay numbered linear cassettes

FINISH PROTECTION

Protect installed borders with breathable fleece board during subsequent trade work

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.