

SPECIFICATION SHEET

Mosaiclegs Art Studio - custom hand-cut mosaic



MATERIALS

Glass	Hand-cut smalti, 1,000+ colors, from the same factory supplying this studio since 2001. Vitreous glass. Gold-leaf glass.
Stone	Tumbled and honed marble.
Rating	Pool-grade and UV-rated for submerged and sun-exposed work.
Cutting	Hand-cut where the design requires it. Grid work is set from whole tiles, uncut. No automated cutting, nothing from a catalog.

MOUNTING

Method	PAPER-FACED. Paper is applied to the FACE of the tile and washed off after setting. Nothing remains between tessera and setting bed.
Not mesh	Mesh leaves adhesive-backed material under every tile, affecting both bond and joint. This studio does not use it.
Delivery	Numbered sections to a keyed layout, set in the order drawn.

SETTING / INSTALLATION

Setting	By a tile contractor, not by Mosaiclegs. Work is delivered ready to set.
Installers	In Southern California - Los Angeles, Orange County, San Diego, Palm Springs - we work with setters and can suggest someone. Elsewhere we may still know someone; ask.
Guidance	If your setter has not handled paper-faced work, we walk them through the sequence.

SCHEDULE

Lead time	6-8 weeks from DESIGN APPROVAL for most commissions.
Simple runs	Single medallion about 3 weeks. Waterline borders 4-6 weeks.
Major work	Pool floors and large figurative pieces 6-16 weeks.
	Large all-tile pools and murals 4-6 months.
Note	The clock starts at approval, not first contact.

PROVIDED BY THE STUDIO

Numbered, titled shop drawing issued for design approval, showing layout, border developed, and every corner resolved.
Repeat fitted to the actual run so no motif is cut at a corner.
Physical samples for color and tone confirmation before cutting.
Progress photographs through fabrication.

REQUIRED FROM THE SPECIFIER

Finished dimensions of the mosaic area.
Substrate and setting conditions; whether the area is submerged.
Palette or scheme, or the finishes it must sit against.
Schedule date required on site.
Who is setting it, so sections can be keyed to suit.

Dimensions, substrate conditions and setting-out to be verified on site before any material is cut. Colors shown are representative only - final selection to be confirmed against physical samples, as natural stone varies.

Mosaiclegs Art Studio	Making mosaic since 1998. Telephone 1-323-389-5347 mosaiclegs.com/for-designers Studio hours Mon-Fri 9:00am-5:00pm, Sat 9:00am-1:00pm Pacific
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SHEET PRODUCT DATA

Mosaiclegs Art Studio - glass mosaic in sheets



Applies to the sheet product below. Custom hand-cut work is on page 1 and is paper-faced, never sheet-mounted.

TILE SIZES

	3/8 x 3/8 in.	3/4 x 3/4 in.	1 x 1 in.	2 x 2 in.	Vitrogota
Thickness	3/16 in.	3/16 in.	7/32 in.	7/32 in.	7/32 in.
Sheet size	11-7/8 x 13-1/2	11-7/8 x 13-1/2	12 x 12	12 x 12	10-3/8 x 10-3/8
Weight	1.5 lb/ft2	1.74 lb/ft2	2.35 lb/ft2	2.35 lb/ft2	2.35 lb/ft2
Qty per carton	40 ft2	43 ft2	10.7 ft2	21.5 ft2	21.5 ft2
Cartons/pallet	36	36	54	48	48
Pallet weight	2,138 lb	2,700 lb	1,188 lb	2,429 lb	1,650 lb
Container 18 ton	23,680 ft2	24,219 ft2	18,837 ft2	17,136 ft2	18,837 ft2

TEST RESULTS - ASTM METHODS, REQUIREMENTS PER ANSI A137.1

	ASTM	Requirement	Result	
Facial dimension	C499	Not to vary more than 10% from nominal	Conforms	Passes
Wedging	C502	Shall not exceed 2.0%	Conforms	Passes
Thermal shock	C484	Shall not fail	No failure	Passes
Water absorption	C373	Shall not exceed 0.5%	0.02%	Passes

Requirements shown are the ANSI A137.1 ceramic tile criteria. Glass tile now has its own standard, ANSI A137.2.

FURTHER RESULTS

Water absorption	C373	Under 0.07%
Scratch hardness	C482	7
Chemical resistance	C650	Resistant
Coefficient of friction	C1028	Wet over 0.50, dry over 0.75

MOUNTING AND INSTALLATION

Sheet product is dot-mounted on 1 ft x 1 ft sheets, which leaves an open bonding surface.

Custom hand-cut work is paper-faced instead - see page 1.

Interior and exterior: set with a two-component mortar, a premium dry-set Portland cement mortar mixed with 100% high-solid-content liquid latex or acrylic. Must exceed ANSI A118.4.

Cleaning: 4 parts water to 1 part muriatic acid is recommended for glass mosaic.