



PETRARRA

DENIZLI TRAVERTINE · QUARRY TO CONTAINER

The block decides.

Petrarra cuts, calibrates and fills travertine from its own benches in Balık, Denizli, and ships tile, slab and fabricated stone to importers across Europe, Russia and the Gulf.

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A quarry that learned to finish, not a trader that found a quarry.

Petrarra works two benches in the Ballık district outside Denizli — the same basin that made Turkish travertine the reference material it is — and processes the block in its own plant rather than selling it on. That single fact changes what we can promise: colour continuity across a 900 m² order, a repeat order from the same bench two seasons later, and an honest answer when a bench turns and the material stops matching the sample.

The plant runs a gang saw for slab, a bridge line for calibrated tile, filling and honing lines, and a tumbling drum for the antiqued range. Everything is measured after calibration, not before: thickness on a fixed jig, length and width against a master, and a wet check on filled surfaces so a hole that will open in year two opens on our floor instead of the buyer's.

Capacity is 240,000 m² of finished tile and 18,000 m³ of block a year. It is deliberately not larger. A stone order is bought on colour and delivered on trust, and both break the moment a plant takes on more benches than it can keep consistent.

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OWN BENCHES, BALLIK /
DENIZLI

240,000 m²

FINISHED TILE PER YEAR

± 1.0 mm

CALIBRATED THICKNESS
TOLERANCE

21 days

EX-WORKS, STANDARD
ORDER



Six lines, split the way stone is actually bought.

An importer does not order travertine. They order a format: calibrated tile for a floor contract, slab for a fabricator, split-face for a façade, a fabricated basin for a hotel bathroom. The range below is divided by format and by finish, because that is the axis a purchase order is written on — not by colour, which changes inside every one of these lines.



Honed & Filled Travertine Tile

The volume line. Calibrated modular tile in Ivory, Classic, Light Commercial and Country Classic, honed to a soft matt and filled with a colour-matched resin-cement blend. Sold in 30.5, 40.6, 45.7, 61 cm modular and 61 × free-length. This is the floor a distributor stocks and a contractor lays without thinking about it — which is exactly why the thickness tolerance is the specification that matters.

Formats 30.5 – 61 cm modular · Thickness 12 / 18 mm · Finish Honed & filled · Tolerance ± 1.0 mm



Tumbled Travertine Tile

The same stone, run through the tumbling drum until the edge softens and the pore stays open. Unfilled by default, which is the correct answer outdoors: an open pore drains, a resin-filled one traps water and lifts at the first frost cycle. Supplied in Light, Standard, Classic Mix, Country Classic (Scabas), Walnut and Commercial. Frost tested to 48 cycles under EN 12371.

Formats 10 × 10 – 40.6 cm · Thickness 12 / 15 mm · Finish Tumbled, unfilled · Frost 48 cycles, EN 12371



Travertine Slab — Vein & Cross Cut

Gang-sawn slab up to 300 × 190 cm in 2 and 3 cm, in both cut orientations, shipped on A-frames in cut sequence with the block number on the bundle. Vein cut for architectural wall and continuous banding, cross cut for the classic flowered face. Bookmatched pairs are kept together; we will not break a sequence to fill a container.

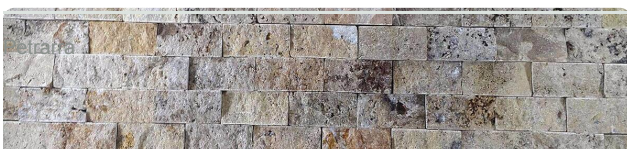
Size up to 300 × 190 cm · Thickness 2 / 3 cm · Cut Vein / cross · Sequence Block-numbered



Marble & Onyx Slab

The lines an importer needs alongside travertine to close a project: Cappuccino Forest, Bianco Lasa, Fantastic Onyx, Pietra Grey, Spanish Dark and Bronzetto, polished or honed. These come from partner quarries, not ours, and we say so — a supplier who claims to quarry fourteen materials in one district is describing a warehouse, not a quarry.

Materials 14 in stock · Thickness 2 / 3 cm · Finish Polished / honed · Source Partner quarries



Our reading on the left, the standard on the right.

Values are from the current production run on Ivory and Classic, tested to the European methods named in the last column. Where a harmonised standard sets a limit we quote it; where the limit is our own we say so, because in this trade an in-house rule and a CE requirement get blurred deliberately and often.

PARAMETER	UNIT	PETRARRA	LIMIT / STANDARD
Apparent density	g/cm ³	2.45	EN 1936 — declared value, no minimum
Open porosity	%	2.9	EN 1936 — declared value
Water absorption, atmospheric	%	1.6	EN 13755 — declared; Denizli basin runs 0.9 – 2.6
Compressive strength	MPa	62	EN 1926 — declared; basin range 44 – 70
Flexural strength, concentrated load	MPa	11.4	EN 12372 — declared value
Abrasion resistance, wide wheel	mm	21	EN 14157 — lower is better; declared
Frost resistance	cycles	48	EN 12371 — flexural loss under 20 % required
Slip resistance, unpolished, dry	USRV	41 honed / 57 tumbled	EN 14231 — declared per finish
Thickness tolerance, calibrated tile	mm	± 1.0	EN 12057 class 1 permits ± 1.5
Length and width tolerance	mm	± 0.8	EN 12057 class 1 permits ± 1.0
Flatness deviation, 40.6 cm tile	mm	0.4	in-house reject above 0.6
Reaction to fire	class	A1	EN 13501-1 — natural stone, without testing
Filling material	—	Resin + cement, colour matched	unfilled supplied for external use

Denizli travertine is not one material. Values above are for Ivory and Classic from our own benches; Country Classic and Walnut are denser and read differently on porosity and absorption. Ask for the bench-specific sheet before you write a specification against these numbers.

How much stone goes in a box, before you ask.

Stone is weight-bound cargo, almost without exception. The figures below are calculated from finished weight per square metre plus crate, against the payload the box can legally carry — not against its volume, which you will never reach.

ITEM	PACK	KG / M²	20 FT	40 FT	40 FT HC	45 FT	TRUCK
Honed & filled tile, 12 mm	wooden crate on pallet	31	760 m²	820 m²	820 m²	850 m²	760 m²
Honed & filled tile, 18 mm	wooden crate on pallet	46	515 m²	555 m²	555 m²	575 m²	515 m²
Tumbled tile, 12 / 15 mm	wooden crate on pallet	35	675 m²	730 m²	730 m²	755 m²	675 m²
Slab, 2 cm	A-frame bundle	51	465 m²	500 m²	500 m²	520 m²	465 m²
Slab, 3 cm	A-frame bundle	76	310 m²	335 m²	335 m²	350 m²	310 m²
Split-face panel, 15 – 30 mm	carton on pallet	55	430 m²	465 m²	465 m²	480 m²	430 m²
Sinks & shower trays	individual crate	45 / pc	395 pc *	790 pc *	870 pc *	910 pc *	700 pc *
Raw block	loose, dunnaged	2,450 / m³	9.5 m³	10.5 m³	10.5 m³	11 m³	9.5 m³

Weight binds, not volume. A 20 ft reaches its payload with more than half the box empty, and a 40 ft carries only about eight percent more stone than a 20 ft while costing far more to move — for tile and slab the 20 ft is almost always the cheaper box per tonne, and the standard shipment. Rows marked * are volume-bound rather than weight-bound. Destination road limits usually bite before the container limit does: check the axle rules at the delivery address, not at the port. Send the format mix and the discharge port and we return an exact stow plan with the quotation.

Seven stations, and the second is the one nobody sees.

Cutting makes the format and honing makes the surface. What makes a second container match the first is a number written on a block at the bench — which is the one step that cannot be bought from a subcontractor.

01 Bench survey

Before a wire goes in, the bench face is mapped for colour band and fracture. Travertine changes vertically — the metre above and the metre below are different materials — so what gets extracted is planned against the orders that will be cut from it.

02 Wire sawing and block numbering

Diamond wire cuts the block free and it is numbered at the bench. That number follows the block to the gang saw, onto the bundle and onto the packing list. It is the only way a repeat order two seasons later can come off the same material, and it is the station a trading company simply does not have.

03 Gang saw

The block is sawn into slab at 2 or 3 cm, in the cut orientation the order requires — across the bedding for vein cut, along it for cross cut. Slabs leave the saw in sequence and stay in sequence, because that sequence is what makes bookmatching possible.

04 Filling

Interior material is filled with a resin-cement blend matched to the batch colour, cured, then re-checked wet. External material skips this station entirely: an open pore drains and a filled one does not, and that is the whole argument about travertine on a terrace.

05 Calibration and honing

Slab is cut to modular tile and calibrated to thickness on a fixed jig, then honed to a soft matt. Thickness is measured after calibration at four points, against a ± 1.0 mm window; EN 12057 would allow ± 1.5 .

06 Tumbling

The antiqued range goes into the drum with water and abrasive until the arris softens and the surface takes on its aged face. Time in the drum is set per material — Country Classic breaks its edge faster than Ivory, and running them on the same programme gives you two products that do not belong on the same floor.

07 Crating and stow

Tile goes into ISPM-15 heat-treated wooden crates on pallets; slab goes onto A-frames in cut sequence. The stow plan is built against container payload, not volume, and it goes out with the proforma so the buyer sees the tonnage before the booking rather than after.

The document set an importer opens first.

CONTACT

Send the schedule. We will send the stow plan.

Tell us the formats, the finish, the square metres and the discharge port. You get a unit price, a container loading plan and a date we will hold — usually within two working days.

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