

SHAHABAD LIMESTONE CATALOGUE

Four beds, one quarry face — Miriyan village, Chincholi taluk, Kalaburagi district, Karnataka

Mallikarjuna Stones Ltd is the UK export arm of Mallikarjun Stone Polishing Industries. The family holds the quarry lease and runs the polishing lines. All cutting, honing and polishing is completed in India, so material lands in the UK finished and ready to lay.

SUMMARY SPECIFICATION

STONE	COMPRESSIVE	FLEXURAL	ABSORPTION	DENSITY	WET PTV
Shahabad Grey	112 MPa	16.4 MPa	0.38 %	2,610 kg/m ³	42 PTV
Shahabad Yellow	104 MPa	14.8 MPa	0.52 %	2,560 kg/m ³	39 PTV
Shahabad Maroon	118 MPa	17.1 MPa	0.31 %	2,680 kg/m ³	37 PTV
Shahabad Cream	98 MPa	13.9 MPa	0.61 %	2,540 kg/m ³	34 PTV

FULL COMPARISON

PROPERTY	GREY	YELLOW	MAROON	CREAM
Compressive strength, dry	112 MPa	104 MPa	118 MPa	98 MPa
Compressive strength, saturated	96 MPa	88 MPa	101 MPa	83 MPa
Flexural strength	16.4 MPa	14.8 MPa	17.1 MPa	13.9 MPa
Water absorption	0.38 %	0.52 %	0.31 %	0.61 %
Apparent density	2,610 kg/m ³	2,560 kg/m ³	2,680 kg/m ³	2,540 kg/m ³
Abrasion resistance	18.2 mm	19.6 mm	17.4 mm	20.8 mm
Slip resistance, dry	78 PTV	76 PTV	74 PTV	72 PTV
Slip resistance, wet	42 PTV	39 PTV	37 PTV	34 PTV
Frost resistance	56 cyc, < 1 % loss	56 cyc, < 1 % loss	56 cyc, < 0.8 % loss	48 cyc, < 1.2 % loss
Open porosity	1.1 %	1.4 %	0.9 %	1.7 %
Thermal shock	No change, 20 cyc	No change, 20 cyc	No change, 20 cyc	No change, 20 cyc

CONTAINER LOADING

STONE	CRATES / 20 FT	AREA / 20 FT	CRATE GROSS
Shahabad Grey	15	480 m ² at 20 mm	1,780 kg gross at 20 mm
Shahabad Yellow	15	475 m ² at 20 mm	1,745 kg gross at 20 mm
Shahabad Maroon	14	445 m ² at 20 mm	1,830 kg gross at 20 mm
Shahabad Cream	16	505 m ² at 20 mm	1,690 kg gross at 20 mm

SHAHABAD GREY

Cool mid-grey. Riven and honed. The volume line.

Shahabad Grey is the highest-yield bed in the Miriyan working face and the stone most UK merchants buy first. Colour runs a consistent cool mid-grey with light directional grain and occasional pale streaking. Riven faces split clean along the natural bed; honed faces calibrate flat with no resin fill.

TECHNICAL DATA

PROPERTY	VALUE	TEST STANDARD
Compressive strength, dry	112 MPa	BS EN 1926
Compressive strength, saturated	96 MPa	BS EN 1926
Flexural strength	16.4 MPa	BS EN 12372
Water absorption	0.38 %	BS EN 13755
Apparent density	2,610 kg/m³	BS EN 1936
Abrasion resistance	18.2 mm	BS EN 14157
Slip resistance, dry	78 PTV	BS 7976-2 pendulum
Slip resistance, wet	42 PTV	BS 7976-2 pendulum
Frost resistance	Pass, 56 cycles, < 1 % loss	BS EN 12371
Open porosity	1.1 %	BS EN 1936
Thermal shock	No visible change, 20 cycles	BS EN 14066

FINISHES

FINISH	NOTES
Natural riven	Split bed face, 18–24 mm nominal, sawn edges
Honed 220 grit	Calibrated, matt, most specified for commercial paving
Shot blasted	Uniform open texture, raises wet PTV
Bush hammered	Kerbs, steps and heavy trafficked thresholds

SHAHABAD GREY

Sizes, applications and packing specification

SIZES AND THICKNESSES

SIZE	THICKNESS	FINISH	TOLERANCE
600 × 400 mm	20 / 25 / 30 mm	Honed, shot blasted	± 1.0 mm
600 × 600 mm	20 / 25 / 30 mm	All finishes	± 1.0 mm
900 × 600 mm	25 / 30 mm	Honed, riven	± 1.5 mm
1200 × 600 mm	30 mm	Honed	± 1.5 mm
Random riven, 300–900 mm run	18–24 mm	Natural riven	± 3.0 mm
Kerb 1000 × 250 × 125 mm	125 mm	Bush hammered	± 2.0 mm

APPLICATIONS

APPLICATION	POSITION
Paving	Recommended
Cladding	Recommended
Flooring	Suitable
Kerbs	Recommended
Interior	Suitable

For external pedestrian areas specify honed 220 or shot blasted at 30 mm on a full mortar bed. Vehicle overrun requires 30 mm minimum and a bedding compressive strength of at least 25 N/mm².

PACKING SPECIFICATION

ITEM	SPECIFICATION
Crate	Heat-treated timber, ISPM 15 stamped, 1180 × 780 × 950 mm
Contents per crate	34 m ² at 20 mm / 23 m ² at 30 mm
Gross crate weight	1,780 kg gross at 20 mm
Crates per 20 ft	15
Area per 20 ft	480 m ² at 20 mm
Supply allowance	Supply allowance 5 % on random riven, 3 % on calibrated

Quotations are issued to your nearest port or delivered to your yard, on request. Values shown are batch-test results from the Miriyan processing unit, verified annually on UK-landed samples. Certificates are issued per shipment and reference the crate marks.

SHAHABAD YELLOW

Warm golden buff. Deepens sharply when wet.

A warm golden buff bed taken from the upper horizon of the same quarry. Dry, the stone reads a soft honey; wet, it drops two to three tones into a saturated amber. That shift is the reason it sells, and the reason it should always be sampled wet as well as dry before specification.

TECHNICAL DATA

PROPERTY	VALUE	TEST STANDARD
Compressive strength, dry	104 MPa	BS EN 1926
Compressive strength, saturated	88 MPa	BS EN 1926
Flexural strength	14.8 MPa	BS EN 12372
Water absorption	0.52 %	BS EN 13755
Apparent density	2,560 kg/m³	BS EN 1936
Abrasion resistance	19.6 mm	BS EN 14157
Slip resistance, dry	76 PTV	BS 7976-2 pendulum
Slip resistance, wet	39 PTV	BS 7976-2 pendulum
Frost resistance	Pass, 56 cycles, < 1 % loss	BS EN 12371
Open porosity	1.4 %	BS EN 1936
Thermal shock	No visible change, 20 cycles	BS EN 14066

FINISHES

FINISH	NOTES
Natural riven	Split bed face, strongest wet-dry contrast
Honed 220 grit	Calibrated, even matt buff
Shot blasted	Recommended for wet external areas
Sandblasted and brushed	Softened arris, interior and threshold use

SHAHABAD YELLOW

Sizes, applications and packing specification

SIZES AND THICKNESSES

SIZE	THICKNESS	FINISH	TOLERANCE
600 × 400 mm	20 / 25 / 30 mm	Honed, shot blasted	± 1.0 mm
600 × 600 mm	20 / 25 / 30 mm	All finishes	± 1.0 mm
900 × 600 mm	25 / 30 mm	Honed, riven	± 1.5 mm
Random riven, 300–750 mm run	18–24 mm	Natural riven	± 3.0 mm
Coping 1000 × 350 × 40 mm	40 mm	Honed, weathered fall	± 2.0 mm

APPLICATIONS

APPLICATION	POSITION
Paving	Recommended
Cladding	Suitable
Flooring	Suitable
Kerbs	On request
Interior	Recommended

Absorption is higher than Shahabad Grey. For paving exposed to de-icing salt, specify an impregnating sealer at first fix and confirm the maintenance regime with the end client.

PACKING SPECIFICATION

ITEM	SPECIFICATION
Crate	Heat-treated timber, ISPM 15 stamped, 1180 × 780 × 950 mm
Contents per crate	34 m² at 20 mm / 23 m² at 30 mm
Gross crate weight	1,745 kg gross at 20 mm
Crates per 20 ft	15
Area per 20 ft	475 m² at 20 mm
Supply allowance	Supply allowance 6 % on random riven, 3 % on calibrated

Quotations are issued to your nearest port or delivered to your yard, on request. Values shown are batch-test results from the Miriyan processing unit, verified annually on UK-landed samples. Certificates are issued per shipment and reference the crate marks.

SHAHABAD MAROON

Deep muted purple-brown. Limited bed, limited output.

Shahabad Maroon comes from a thin mineralised horizon that runs intermittently through the lease. Colour is a deep muted purple-brown with darker mottling and occasional pale calcite threads. Output is capped by the bed itself rather than by processing capacity.

TECHNICAL DATA

PROPERTY	VALUE	TEST STANDARD
Compressive strength, dry	118 MPa	BS EN 1926
Compressive strength, saturated	101 MPa	BS EN 1926
Flexural strength	17.1 MPa	BS EN 12372
Water absorption	0.31 %	BS EN 13755
Apparent density	2,680 kg/m³	BS EN 1936
Abrasion resistance	17.4 mm	BS EN 14157
Slip resistance, dry	74 PTV	BS 7976-2 pendulum
Slip resistance, wet	37 PTV	BS 7976-2 pendulum
Frost resistance	Pass, 56 cycles, < 0.8 % loss	BS EN 12371
Open porosity	0.9 %	BS EN 1936
Thermal shock	No visible change, 20 cycles	BS EN 14066

FINISHES

FINISH	NOTES
Natural riven	Split bed face, strongest colour depth
Honed 220 grit	Calibrated, even matt, most specified for cladding
Polished	Interior only, closes surface and lifts tone
Shot blasted	External paving and thresholds

SHAHABAD MAROON

Sizes, applications and packing specification

SIZES AND THICKNESSES

SIZE	THICKNESS	FINISH	TOLERANCE
600 × 300 mm	20 / 25 mm	Honed, polished	± 1.0 mm
600 × 600 mm	20 / 25 / 30 mm	Honed, shot blasted	± 1.0 mm
900 × 600 mm	25 / 30 mm	Honed	± 1.5 mm
Cladding 800 × 400 mm	20 mm	Honed, kerf slotted	± 1.0 mm
Random riven, 300–600 mm run	18–24 mm	Natural riven	± 3.0 mm

APPLICATIONS

APPLICATION	POSITION
Paving	Suitable
Cladding	Recommended
Flooring	Recommended
Kerbs	On request
Interior	Recommended

Available output is approximately 3,800 m² per month. Cladding programmes above 600 m² should be reserved against a named bench before the order is placed.

PACKING SPECIFICATION

ITEM	SPECIFICATION
Crate	Heat-treated timber, ISPM 15 stamped, 1180 × 780 × 950 mm
Contents per crate	32 m ² at 20 mm / 21 m ² at 30 mm
Gross crate weight	1,830 kg gross at 20 mm
Crates per 20 ft	14
Area per 20 ft	445 m ² at 20 mm
Supply allowance	Supply allowance 7 % on random riven, 4 % on calibrated

Quotations are issued to your nearest port or delivered to your yard, on request. Values shown are batch-test results from the Miriyan processing unit, verified annually on UK-landed samples. Certificates are issued per shipment and reference the crate marks.

SHAHABAD CREAM

Pale off-white. Interior flooring line.

The palest bed worked at Miriyan. Shahabad Cream is a fine, close-grained off-white with faint warm veining and very low mineral speckle. It calibrates and polishes cleanly, which is why it is sold almost entirely as interior floor and wall tile.

TECHNICAL DATA

PROPERTY	VALUE	TEST STANDARD
Compressive strength, dry	98 MPa	BS EN 1926
Compressive strength, saturated	83 MPa	BS EN 1926
Flexural strength	13.9 MPa	BS EN 12372
Water absorption	0.61 %	BS EN 13755
Apparent density	2,540 kg/m ³	BS EN 1936
Abrasion resistance	20.8 mm	BS EN 14157
Slip resistance, dry	72 PTV	BS 7976-2 pendulum
Slip resistance, wet	34 PTV	BS 7976-2 pendulum
Frost resistance	Pass, 48 cycles, < 1.2 % loss	BS EN 12371
Open porosity	1.7 %	BS EN 1936
Thermal shock	No visible change, 20 cycles	BS EN 14066

FINISHES

FINISH	NOTES
Honed 220 grit	Standard interior floor finish
Polished	Lobby and wall applications, low traffic
Brushed	Softened matt, hides traffic marking
Shot blasted	Wet rooms and thresholds

SHAHABAD CREAM

Sizes, applications and packing specification

SIZES AND THICKNESSES

SIZE	THICKNESS	FINISH	TOLERANCE
300 × 300 mm	16 / 20 mm	Honed, polished	± 0.8 mm
600 × 300 mm	16 / 20 mm	Honed, polished, brushed	± 0.8 mm
600 × 600 mm	20 mm	All finishes	± 1.0 mm
900 × 600 mm	20 mm	Honed	± 1.5 mm
Skirting 600 × 100 mm	16 mm	Honed, polished	± 0.8 mm

APPLICATIONS

APPLICATION	POSITION
Paving	On request
Cladding	Suitable
Flooring	Recommended
Kerbs	On request
Interior	Recommended

Not recommended for external paving in exposed UK conditions. Where an external application is required, specify 30 mm shot blasted and a sheltered location, and confirm with our technical team first.

PACKING SPECIFICATION

ITEM	SPECIFICATION
Crate	Heat-treated timber, ISPM 15 stamped, 1180 × 780 × 950 mm
Contents per crate	38 m² at 16 mm / 30 m² at 20 mm
Gross crate weight	1,690 kg gross at 20 mm
Crates per 20 ft	16
Area per 20 ft	505 m² at 20 mm
Supply allowance	Supply allowance 3 % on calibrated tile

Quotations are issued to your nearest port or delivered to your yard, on request. Values shown are batch-test results from the Miriyan processing unit, verified annually on UK-landed samples. Certificates are issued per shipment and reference the crate marks.