



HEAVY DUTY OUTDOOR TILES

A gorgeous
space
created
with nature

ABOUT us





Ceramic Tiles have been an integral part of mankind since immemorial. Ceramic tiles have survived the rise and fall of civilization and with each upheaval have added a new dimension to their properties. Today they are an integrated part of modern living combining the winning qualities of beauty and value for money.

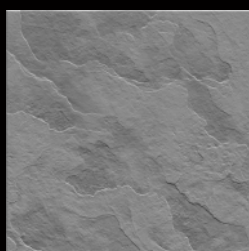
It has united the toughness of ceramic tiles with modern technological advances and customer aspiration to produce a range that is vast in choice. With over a decade experience in this field and in depth knowledge of markets both in India and abroad, the promoters have set up a world class integrated production facility to manufacture and supply high quality ceramic tiles. The designs, size, colours and surface finishes will be made keeping in mind the needs of the Indian as well as overseas consumers. Over the years, the company has built a solid customer base and a reputation both for itself and its product. Trust, quality and reliability have been the watchwords of the company plan to continue fulfilling the expectation of their vast array of customers. Total customer satisfaction via adoption of Quality Management Systems in all spheres of activity guarantee adherence to pre-decided standards. The company nurtures each relationship be it with the trade, consumers or suppliers. This has established as a reliable and trust worthy entity capable of overcoming market challenges.



PUNCH- SLATE SERIES

12 MM THICKNESS

An
elegant
style for
your taste



PUNCH

400X
400 MM



PARKING



GARDEN



WALKWAY



OUTDOOR



PUNCH- SLATE SERIES

400X400 MM

12 MM THICKNESS



2301- R

PUNCH



2302- R

PUNCH



2303- R

PUNCH



2306- R

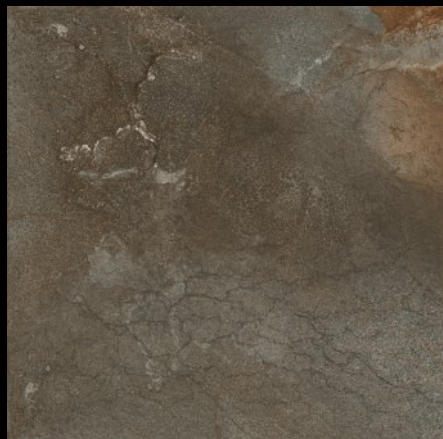
PUNCH

HEAVY DUTY
OUTDOOR TILES



2305- R

PUNCH



400X400 MM

12 MM THICKNESS

HEAVY DUTY
OUTDOOR TILES



PUNCH- SLATE SERIES

400X400 MM

12 MM THICKNESS



2307- R

PUNCH



2310- LT

PUNCH



2309- R

PUNCH



2310- DK

PUNCH

HEAVY DUTY
OUTDOOR TILES

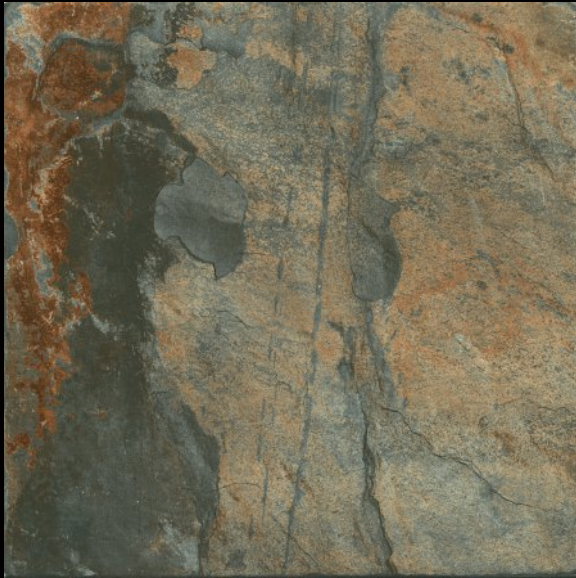




PUNCH- SLATE SERIES

400X400 MM

12 MM THICKNESS



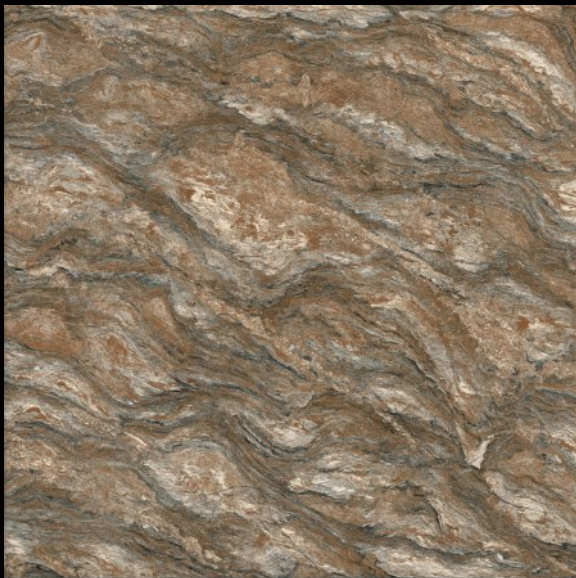
2311

PUNCH



2312

PUNCH



2316

PUNCH



2317

PUNCH

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OUTDOOR TILES





PUNCH- SLATE SERIES

400X400 MM

12 MM THICKNESS



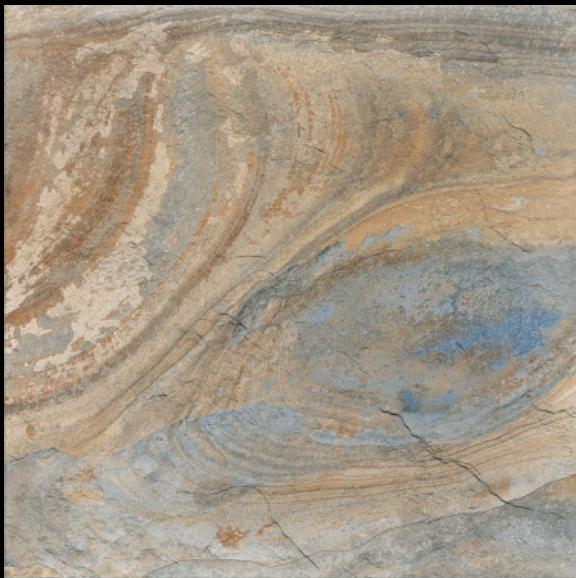
2318

PUNCH



2325

PUNCH



2326

PUNCH



2328

PUNCH

HEAVY DUTY
OUTDOOR TILES



2321

PUNCH



400X400 MM

12 MM THICKNESS

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PUNCH- SLATE SERIES

400X400 MM

12 MM THICKNESS



2330

PUNCH



2331

PUNCH



2332

PUNCH



2333

PUNCH

HEAVY DUTY
OUTDOOR TILES





PUNCH- SLATE SERIES

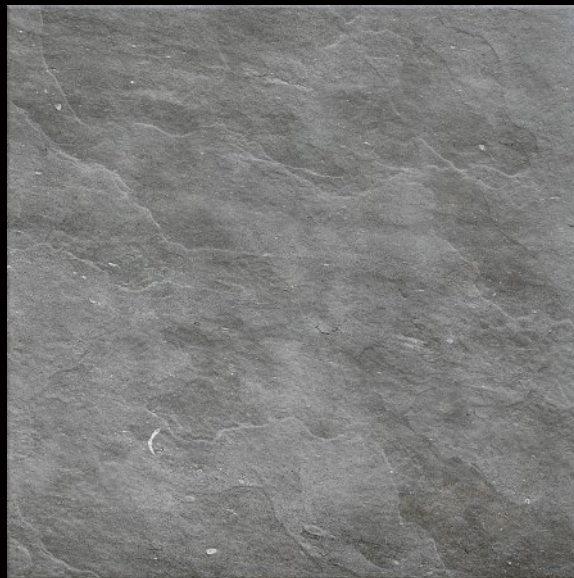
400X400 MM

12 MM THICKNESS



2334- LT

PUNCH



2334- DK

PUNCH

HEAVY DUTY
OUTDOOR TILES





PUNCH- SLATE SERIES

400X400 MM

12 MM THICKNESS



2336- LT

PUNCH



2337- LT

PUNCH



2336- DK

PUNCH



2337- DK

PUNCH

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PUNCH- SLATE SERIES

400X400 MM

12 MM THICKNESS



2338

PUNCH

HEAVY DUTY
OUTDOOR TILES

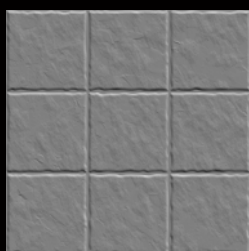




PUNCH- 9 BOX SERIES

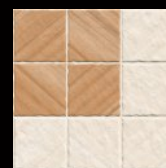
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400X400 MM

12 MM THICKNESS



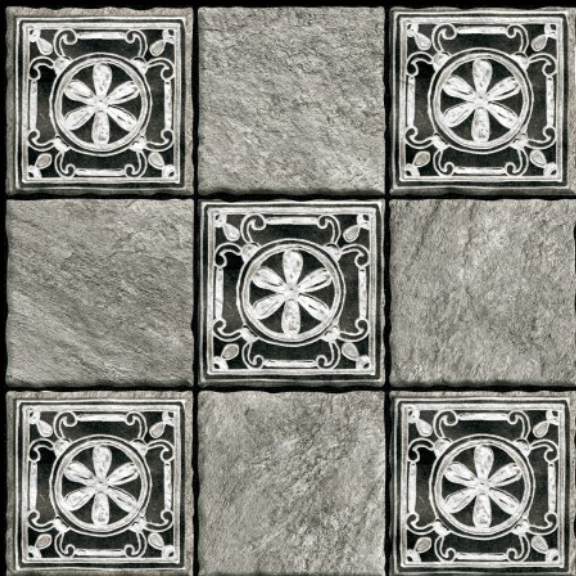
2401

PUNCH



2402

PUNCH



2403

PUNCH



2404

PUNCH

HEAVY DUTY
OUTDOOR TILES





PUNCH- 9 BOX SERIES

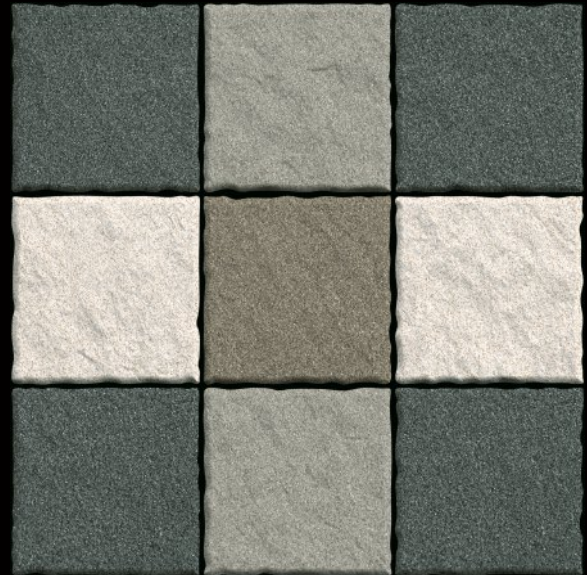
400X400 MM

12 MM THICKNESS



2405

PUNCH



2406

PUNCH



2408

PUNCH



2409

PUNCH

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OUTDOOR TILES



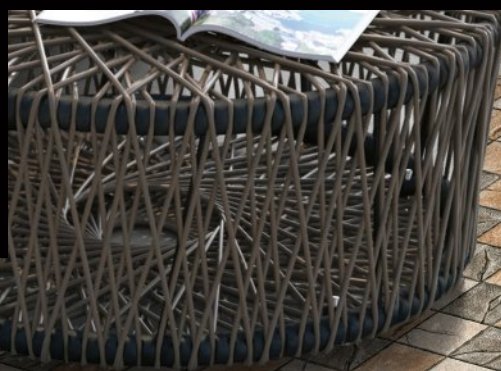
2407

PUNCH



400X400 MM

12 MM THICKNESS



HEAVY DUTY
OUTDOOR TILES



PUNCH- 9 BOX SERIES

400X400 MM

12 MM THICKNESS



2410

PUNCH



2411

PUNCH



2412

PUNCH



2413

PUNCH

HEAVY DUTY
OUTDOOR TILES





PUNCH- 9 BOX SERIES

400X400 MM

12 MM THICKNESS



2414

PUNCH



2416

PUNCH



2417

PUNCH



2418

PUNCH

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2415

PUNCH



400X400 MM

12 MM THICKNESS



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400X400 MM

12 MM THICKNESS



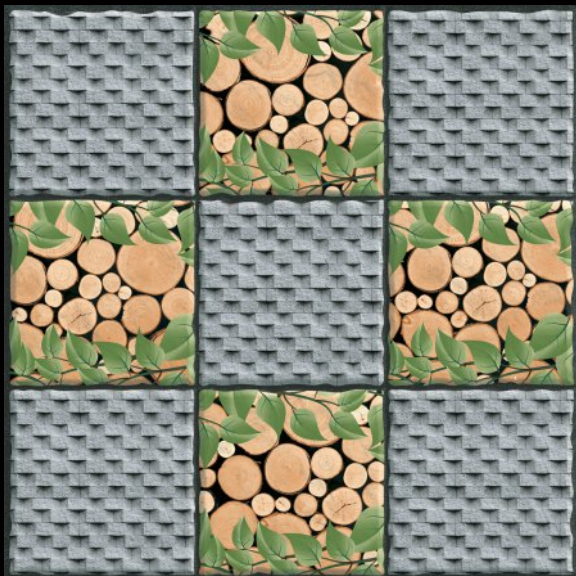
2419

PUNCH



2420

PUNCH



2421

PUNCH



2422

PUNCH

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PUNCH- 9 BOX SERIES

400X400 MM

12 MM THICKNESS



2423

PUNCH



2425

PUNCH

HEAVY DUTY
OUTDOOR TILES



2424

PUNCH



400X400 MM

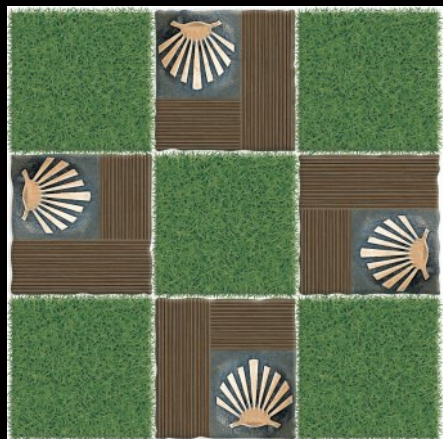
12 MM THICKNESS



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2426

PUNCH



400X400 MM

12 MM THICKNESS



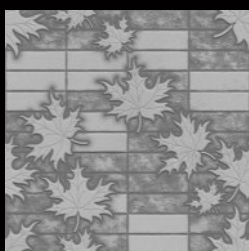
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400 MM



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GARDEN



WALKWAY



OUTDOOR





PUNCH- PANDADI SERIES

400X400 MM

12 MM THICKNESS



2501

PUNCH



2502

PUNCH



2503

PUNCH



2504

PUNCH

HEAVY DUTY
OUTDOOR TILES





PUNCH- PANDADI SERIES

400X400 MM

12 MM THICKNESS



2505

PUNCH



2506

PUNCH



2507

PUNCH

HEAVY DUTY
OUTDOOR TILES



2508

PUNCH



400X400 MM

12 MM THICKNESS



HEAVY DUTY
OUTDOOR TILES



PUNCH- PANDADI SERIES

400X400 MM

12 MM THICKNESS



2509

PUNCH



2510

PUNCH



2511

PUNCH



2512

PUNCH

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PUNCH- PANDADI SERIES

400X400 MM

12 MM THICKNESS



2513

PUNCH



2514

PUNCH

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2515

PUNCH



400X400 MM

12 MM THICKNESS



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OUTDOOR TILES

TECHNICAL SPECIFICATIONS

CHARACTERISTIC	STANDARD AS PER ISO-13006/EN 14411 GROUP BIa	MEAN VALUE OF POLISHED GVT	MEAN VALUE OF GVT / PGVT	TEST METHOD
REGULATORY PROPERTIES				
Deviation in length & width	±0.5 %	±0.1 %	±0.1 %	ISO-10545-2
Deviation in thickness	±5.0 %	±4.0 %	±4.0 %	ISO-10545-2
Straightness in side	±0.5 %	±0.1 %	±0.1 %	ISO-10545-2
Rectangularity	±0.5 %	±0.1 %	±0.1 %	ISO-10545-2
Surface flatness	±0.5 %	±0.2 %	±0.2 %	ISO-10545-2
Color difference	Unaltered	No change	No change	ISO-10545-16
Glossiness	As per mfg	Min 90%	Min 4%	GLOSSOMETER
STRUCTURAL PROPERTIES				
Water absorption	< 0.50 %	< 0.20 %	< 0.20 %	ISO-10545-3
Apparent density	> 2.0 g/cc	>2.10 g/cc	>2.10 g/cc	DIN 51082
MASSIVE MECHANICAL PROPERTIES				
	Min. 35 N/mm	Min. 40 N/mm ²	Min. 40 N/mm ²	ISO-10545-4
Breaking strength	Min. 1300 N	Min. 2000 N	Min. 2000 N	ISO-10545-4
Impact resistance	As per mfg	Min. 0.55	Min. 0.55	ISO-10545-5
SURFACE MECHANICAL PROPERTIES				
Surface abrasion resistance	As per mfg	Min. Class-3	Min. Class-4	ISO-10545-7
MOH's hardness	As per mfg	Min. 4	Min. 5	EN 101
THERMO HYDROMETRIC PROPERTIES				
Frost resistance	No damage	No damage	No damage	ISO-10545-12
Thermal shock resistance	No damage	No damage	No damage	ISO-10545-9
Moisture expansion	Nil	Nil	Nil	ISO-10545-10
Thermal expansion (COE)	Max. 9.0 x 10 ⁻⁶	Max. 6.5x10 ⁻⁶	Max. 6.5 x 10 ⁻⁶	ISO-10545-8
Crazing resistance	As per mfg.	Min. 10 Cycle	Min. 10 Cycle	ISO-10545-11
CHEMICAL PROPERTIES				
Chemical resistance	No damage	No damage	No damage	ISO-10545-13
Stain resistance	Resistant	Resistant	Resistant	ISO-10545-14
SAFETY PROPERTIES				
Slip resistance	As per mfg.	>0.40	>0.40	ISO-10545-17
Fire resistance	As per mfg.	Fire proof	Fire proof	N. A.
Lead & Cadmium given o by glazed tiles	As per mfg.	Does not yield Pb & Cd	Does not yield Pb & Cd	ISO-10545-15

Packing Details

SR. NO.	SIZE (IN MM)	PACKING	COVERAGE AREA	Thickness	WEIGHT
1	400X400MM	5 PIS	0.80SQ.MTR./8.61 SQ.FT.	12MM	19 Kg Approx..

Note: •Colour Shown are as accurate as the limitations of the printing process will allow. •Prospective customers are advised to inspect a sample of the tile before ordering. •Every effort has been made to ensure the accuracy of the information given. •However, the company reserve the right to change the specifications without prior notice. •Sometime variations in shade or size being inherent to ceramic industry may occur. •Before fixing, we advise you to follow the fixing instructions on the cartons of the tiles as no responsibility can be accepted by the company once the tiles have been fixed.

Applications



DISCLAIMER : We reserves the right to delete & amend either totally or partially, and of the colours, shapes, size, references and other technical specification contain in catalogue at any time. the colours shown of tiles in this catalogue are purely illustrative and limited to printing process. Please refer actual sample final selection. The details of colours, size, references should be vitrified for Typographical errors. SHADE & SIZE VARIATIONS are inherent characteristics of ceramics. NO COMPLIANT SHALL BE SHALL ENTERTAINED ON TILES ALREADY LAID/FIXED.

