



**40X40cm**  
**OUTDOOR TILES**

Collection 2024

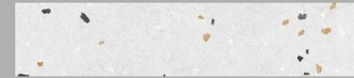


40x40cm  
Outdoor  
Application



40X  
40CM

OUTDOOR  
TILES



## OUTSTANDING EXTERIOR

Give your space an outstanding exterior style with the designer tiles collection

To make a good aesthetic impression, give your outside area an eye catching appearance

40X  
40CM

OUTDOOR  
TILES

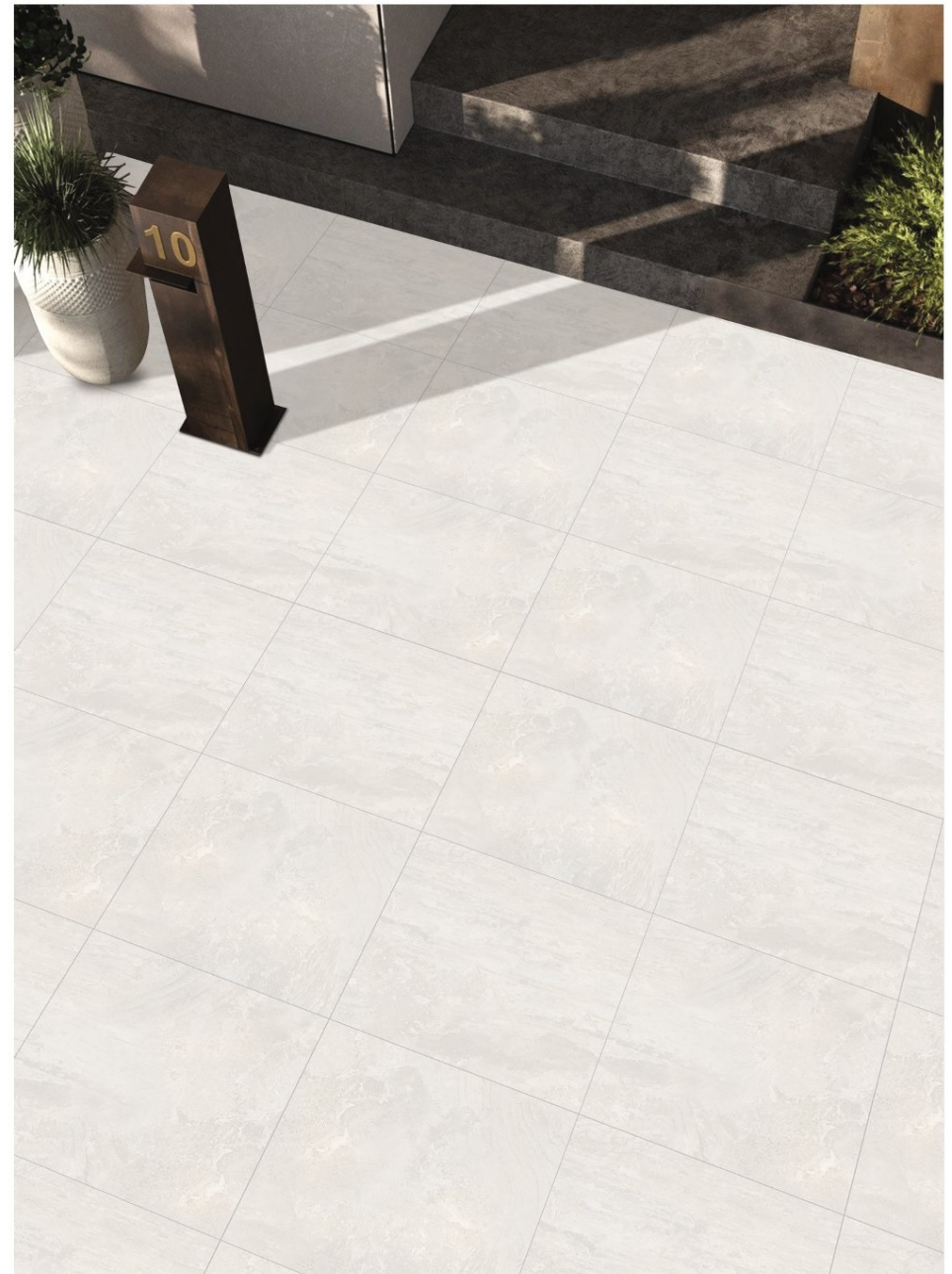


8252

SERIES : MATT  
RANDOM : 03



preview of  
8252



preview of  
**8253**



40X  
40CM

OUTDOOR  
TILES



**8253**

SERIES : **MATT**  
RANDOM : **03**



40X  
40CM

OUTDOOR  
TILES



8258

SERIES : MATT  
RANDOM : 01



preview of  
8258



preview of  
**8333**



40X  
40CM

OUTDOOR  
TILES



**8333**

SERIES : **MATT**  
RANDOM : **01**



40X  
40CM

OUTDOOR  
TILES



8390

SERIES : MATT  
RANDOM : 01



preview of  
8390

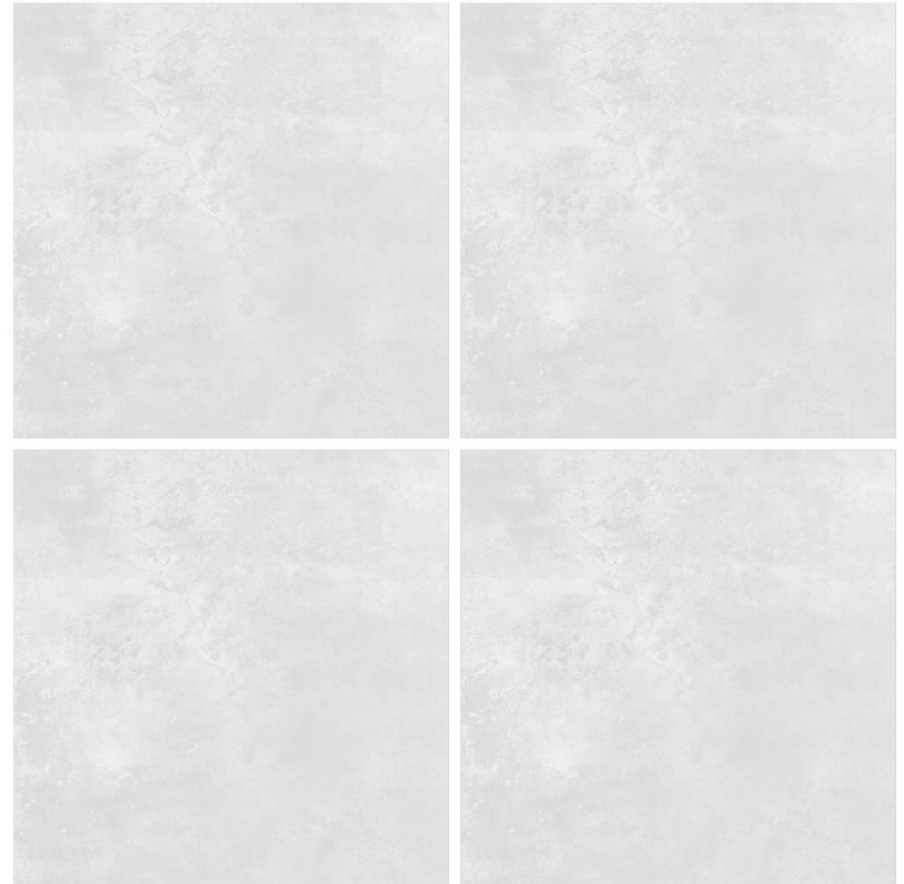


preview of  
**8391**



40X  
40CM

OUTDOOR  
TILES



**8391**

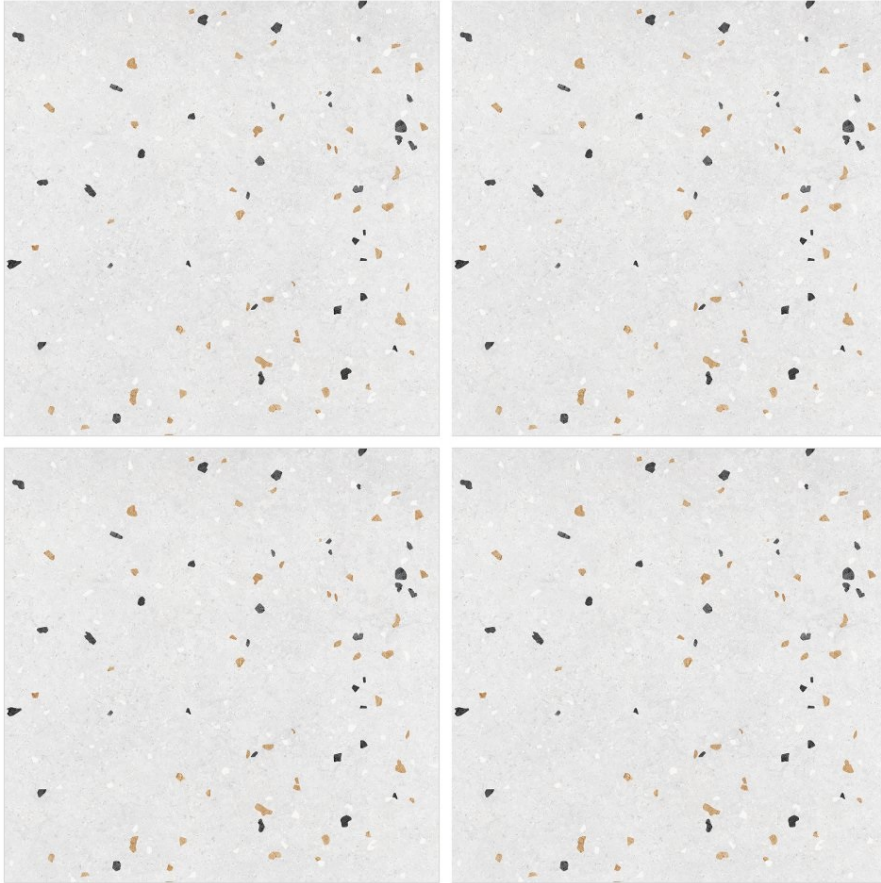
SERIES : **MATT**  
RANDOM : **01**





40X  
40CM

OUTDOOR  
TILES



8573

SERIES : MATT  
RANDOM : 01



preview of  
8573



## TECHNICAL SPECIFICATIONS 40X40CM

CHARACTERISTIC	STANDARD AS PER ISO13006:2018/ EN14411 Gr.B1a	Our Value	TEST METHOD
<b>Regulatory Properties</b>			
Deviation in length and width	± 0.30 % (±1.00mm)	± 0.10 %	ISO 10545-2
Deviation in thickness	± 5.00 % (±0.50mm)	± 4.00 %	ISO 10545-2
Straightness in side	± 0.30 % (±0.80mm)	± 0.10 %	ISO 10545-2
Rectangularity	± 0.30 % (±1.50mm)	± 0.10 %	ISO 10545-2
Surface flatness central curvature	± 0.40 % (±1.80mm)	± 0.20 %	ISO 10545-2
Surface flatness edge curvature	± 0.40 % (±1.80mm)	± 0.20 %	ISO 10545-2
Surface flatness warpage	± 0.40 % (±1.80mm)	± 0.10 %	ISO 10545-2
Surface quality	> 95% defects free	> 95% defects free	ISO 10545-2
Small Color Difference(For Plain Color)	$\Delta E < 1.00$	$\Delta E < 0.30$	ISO 10545-16
Glossiness (Polished)	as per mfg.	Gloss Value > 90	Glossmeter 60°
Glossiness (Matt)	as per mfg.	3° < GLOSS < 7°	Glossmeter 60°
Glossiness (satin/Posh)	as per mfg.	7° < GLOSS < 18°	Glossmeter 60°
<b>Structural Properties</b>			
Water absorption	0.50 % ≤ Ev ≤ 3.00 %	0.060 % ≤ Ev ≤ 3.00 %	ISO 10545-3
Bulk density	as per mfg.	> 2.28 gm/cc	ISO 10545-3
<b>Massive Mechanical Properties</b>			
Modulus of rupture	Min. 30.0 N/mm <sup>2</sup>	Min. 35.0 N/mm <sup>2</sup>	ISO 10545-4
Breaking strength thickness ≥7.5	Min. 700.0 N	Min. 1000.0 N	ISO 10545-4
Breaking strength thickness ≥7.5	Min. 1100.0 N	Min. 1300.0 N	ISO 10545-4
Breaking strength thickness ≥7.5(For ≥15mm)	Min. 1100.0 N	Min. 1800.0 N	ISO 10545-4
<b>Surface Mechanical Properties</b>			
MOH'S hardness	as per mfg.	Polished Min 4* / Satin,Posh & Matt Min 6	BS EN 15771
Surface abrasion resistance	as per mfg.	Polish Min. Class 2, Satin & Posh Min. Class 3, & Matt Min. Class 4	ISO 10545-7
Deep abrasion resistance	Max. 175mm <sup>3</sup>	Max. 132mm <sup>3</sup>	ISO 10545-6
<b>Thermal Hydrometric Properties</b>			
Moisture expansion	Max. 0.06%(0.6mm/m)	0.02mm/m	ISO 10545-10
Thermal expansion(COE) at 100°C	as per mfg.	Max. 6.0 x 10 <sup>-4</sup>	ISO 10545-8
Thermal shock resistance	Min. 10 Cycle	Min. 10 Cycle	ISO 10545-9
Impact resistance(COR)	Min. 0.55	Min. 0.55	ISO 10545-5
Frost resistance	as per mfg.	Frost Proof	ISO 10545-12
<b>Chemical Properties</b>			
Resistance to staining glazed	Min. Class 3	Min. Class 4	ISO 10545-14
Resistance to household chemicals & swimming pool salts glazed	Min. Class GB	Min. Class GA	ISO 10545-13
Resistance to low concentrate acid and alkalis glazed	as per mfg.	Min. Class GLA**	ISO 10545-13
Resistance to high concentrate acid and alkalis unglazed	as per mfg.	Min. Class GHB**	ISO 10545-13
<b>Safety Properties</b>			
Skid resistance (COF-WET PENDULAM)##	as per mfg.	Glossy P0(<12),Satin, Posh ≥P1 (12-24) Matt ≥P2(25-34)	BS 7976-2
Slip resistance - (Satin / Matt (DCOF) (R value)##	as per mfg.	R9 to R13**	DIN 51130
Fire resistance	as per mfg.	Fire Proof	N.A.