

TAKCERAM COMPANY

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GENERAL CATALOGUE 2023



We all evolve in some way or the other
because that is how life is suppose to be.

WELCOME
to the General Catalogue

ABOUT US

Takceram Tile manufacturing Co. (Public joint stock company) was established in 1995 with top of the line manufacturing technologies imultaneously with the similar industries in Europe and compatible with the latest standards in terms of floor and facade with capacity of 3 million square meter. There are large variety of Granitic tiles in salt & pepper, solube salt, sinter grass designs, also porcelain in matt glaze, Glossy glaze and polished glaze which can be presented by several dimensions like 30x30 ,30x60 ,30x90 ,40x40 50x50 60x60, 60x120 ,80x80 ,100x100 whole range of products are being manufactured by the high quality of materials which grandted our products unique characteristics like wear resistance, acid resistance, pressure resistance and low water absorption which are being sold to internal and overseas markets.morever above mentioned records TAKCERAM has proudly owned national rfiticcate in terms of products and ISO for integrated management systems alsowell-known awards with respect to elected exporter, elected country manufacturer also special awards from government president.

اولین تولید کننده کاشی گرانیتی در ایران و خاورمیانه شرکت تولیدی شرکت تکسرام (سهامی عام) از سال ۱۳۷۴ و همزمان با پیشگامان این صنعت دراروپا و همگام با آخرین تحولات و دستاوردهای صنعت کاشی و سرامیک و منطبق با استانداردهای جهانی و ملی محصولات کف و نمای ساختمان را با ظرفیت سه میلیون متر مربع شامل انواع کاشیهای گرانیتی (فلفل نمکی، سلویل سالت، زینترگرس) و کاشیهای پرسلان لعابدار (لعاب مات، لعاب براق و لعاب پولیش) را با توجه به نیاز مصرف کنندگان محترم در طرح ها و رنگ های متنوع در سایزهای ۳۰ x ۳۰ ، ۴۰ x ۴۰ ، ۵۰ x ۵۰ ، ۶۰ x ۶۰ ، ۸۰ x ۸۰ ، ۱۲۰ x ۶۰ ، ۱۲۰ x ۲۰ ، ۱۰۰ x ۱۰۰ مرغوبترین مواد اولیه و با بالاترین کیفیت و ویژگی های متمایز از جمله ضد اسید بودن، جذب آب پایین، مقاوم در برابر سایش، استحکام در برابر فشارسرما و گرما به مرحله تولید رسانده و به بازارهای داخلی و خارجی عرضه نموده است. با این پیشینه، شرکت تولیدی کاشی تکسرام، علاوه بر دارا بودن نشان و گواهینامه ملی برای کلیه محصولات تولیدی، در زمینه سیستمهای مدیریتی و تضمین کیفیت دارای گواهینامه بین المللی ایزو نیز می باشدو در سال های گذشته موفق به کسب عناوین مختلف از جمله صادر کننده نمونه کشور واحد نمونه منتخب موسسه استاندارد، واحد نمونه صنعت کشور گردیده و همچنین لوح تقدیر توسط ریاست محترم جمهور به این شرکت اعطا شده است.



SYMBOLS

کاشی کف
Floor Tile



کاشی دیوار
Wall Tile



سطح مات
Matt Tile



سطح براق
Polished Tile



سطح نیمه براق
Semi Polished Tile



نانو
Nano



مقاوم در برابر اسیدها
Acid Resistant



رندوم
Random



ضخامت ۱۴/۵
Thickness 14.5



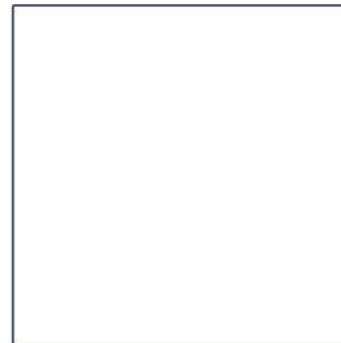
ضخامت ۱۲
Thickness 12



مقاوم در برابر یخ زدگی
Forst Resistant



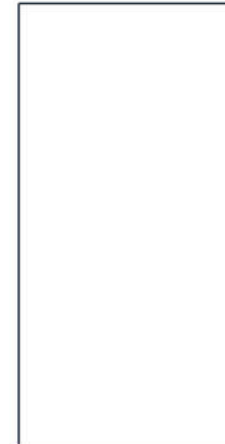
100x100 cm



20x120 cm



60x120 cm



80x80 cm



40x40 cm



30x30 cm



SIZES

PROJECTS

60x120

Polished

Savana Bone	10
Volcano Antrasit	12
Bianco	14
Crystal White	16
Sauvage Light Gray	18
Mako Black	20
Calacatta Silver	22
Calacatta Black	24
Calacatta Gray	26
Calacatta Gold	28
Monte Black	30
Monte Ivory	32
Arab Escato Cream	34
Arab Escato Black	36
Cornelin Brown	38
Cornelin Cream	40
Cornelin Light Gray	42
Cornelin Dark Gray	44
Lion Blue	46
Lion White	48
Lion Dark Gray	50
Onix	52
Panda	54
Super White	56
Super Cream	58

60x120

Matt

Vista Light Gray	62
Vista Dark Gray	64
Galaxy Light Gray	66
Galaxy Dark Gray	68
Rasan	70
Mono Color	72
Calacatta Gray	76
Roma Gray	78
Quartzite Light Gray	80
Quartzite Dark Gray	82
Serena Bone I Gray	84

60x120

Book Match

Monte Black	88
Monte Ivory	90
Panda	92
Cornelin Brown	94

20x120

Polished I Matt

Tooska Light Gray	98
Tooska Brown	100
Abnos	102

100x100

Polished

Bianco	106
Opal Light Cream	108
Opal Light Gray	110
Vista Light Gray	112
Vista Bone	114
Vista Antrasit	116
Sauvage Light Gray	118
Calacatta Gray	120
Calacatta Gold	122
Onix	124
Coral	126

Matt

Roma Light Gray	130
Arena Light Gray	132
Arena Dark Gray	134
Vista Light Gray	136
Vista Bone	138
Calacatta Gray	140

80x80

Matt

Quartzit Light Gray	144
Quartzit Gray	146

30x30

Size 30x30 148



Takceram Zero

40x40

10 - 15 - SF10 - SF15 - SG10 - SG15 154

30x30

10 - SAW 101- SBW 101 - SD10- SE10 156
W 101 - W 103

Polished

Savana Bone
Volcano Antrasit
Bianco
Crystal White
Sauvage Light Gray
Mako Black
Calacatta Silver
Calacatta Gray
Calacatta Black
Calacatta Gold
Monte Black
Monte Ivory
Arab Escato Cream
Arab Escato Black
Cornelin Brown
Cornelin Cream
Cornelin Light Gray
Cornelin Dark Gray
Lion Blue
Lion White
Lion Dark Gray
Onix
Panda
Super White
Super Cream



60x120



10

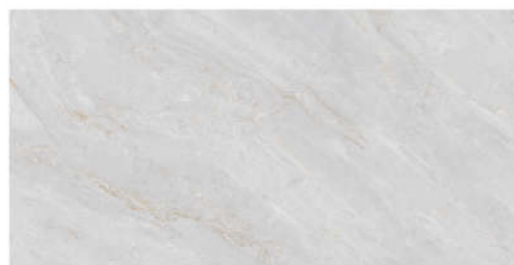
SAVANA

SAVANA BONE

Polished | 60x120



7 faces



120 cm
60 cm



VOLCANO



12

VOLCANO ANTRASIT
Polished | 60x120



4 faces

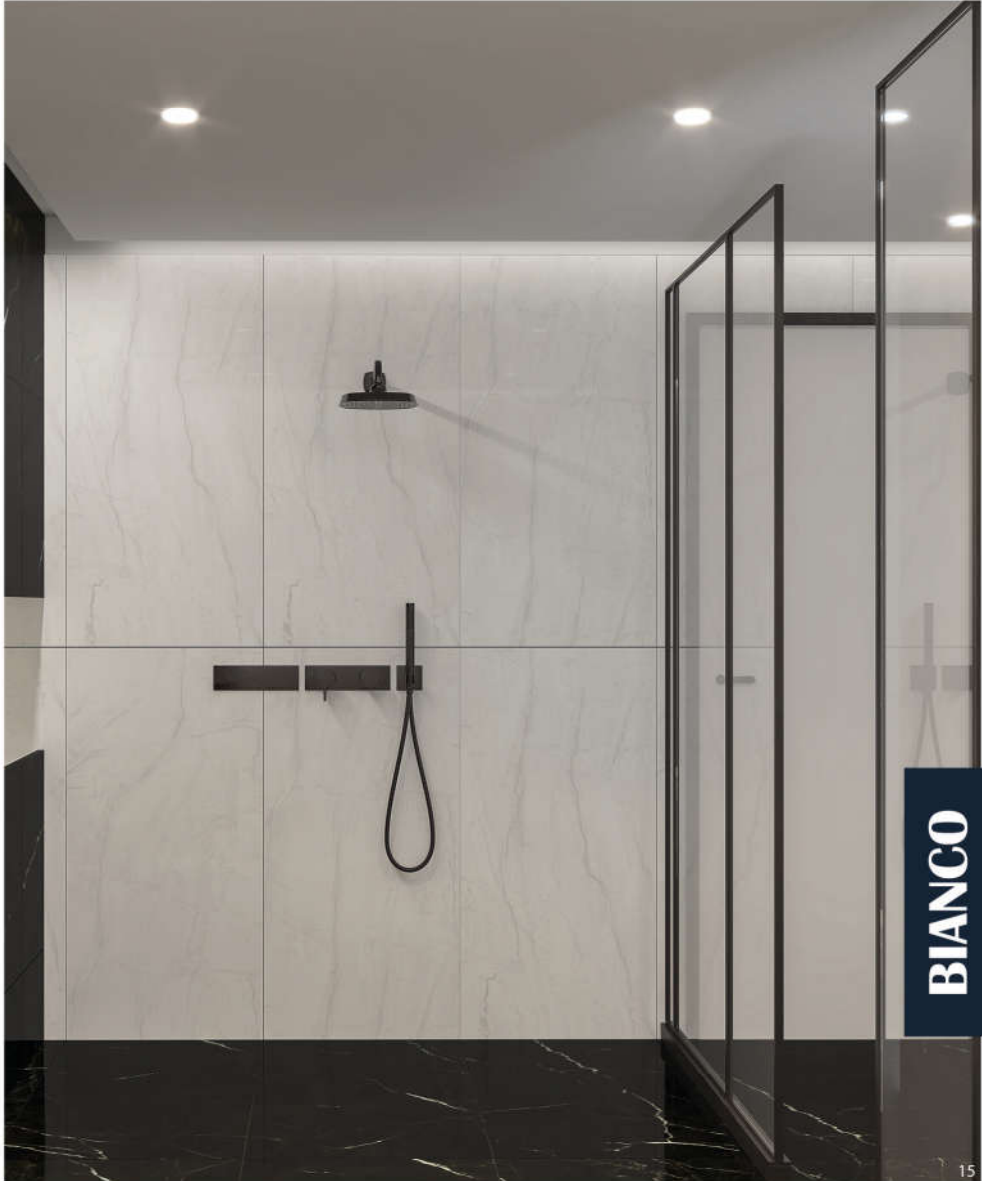
120 cm
60 cm



BIANCO
Polished | 60x120



5 faces



BIANCO

CRYSTAL WHITE
Polished | 60x120



6 faces



CRYSTAL

SAUVAGE



18

SAUVAGE LIGHT GRAY

Polished | 60x120



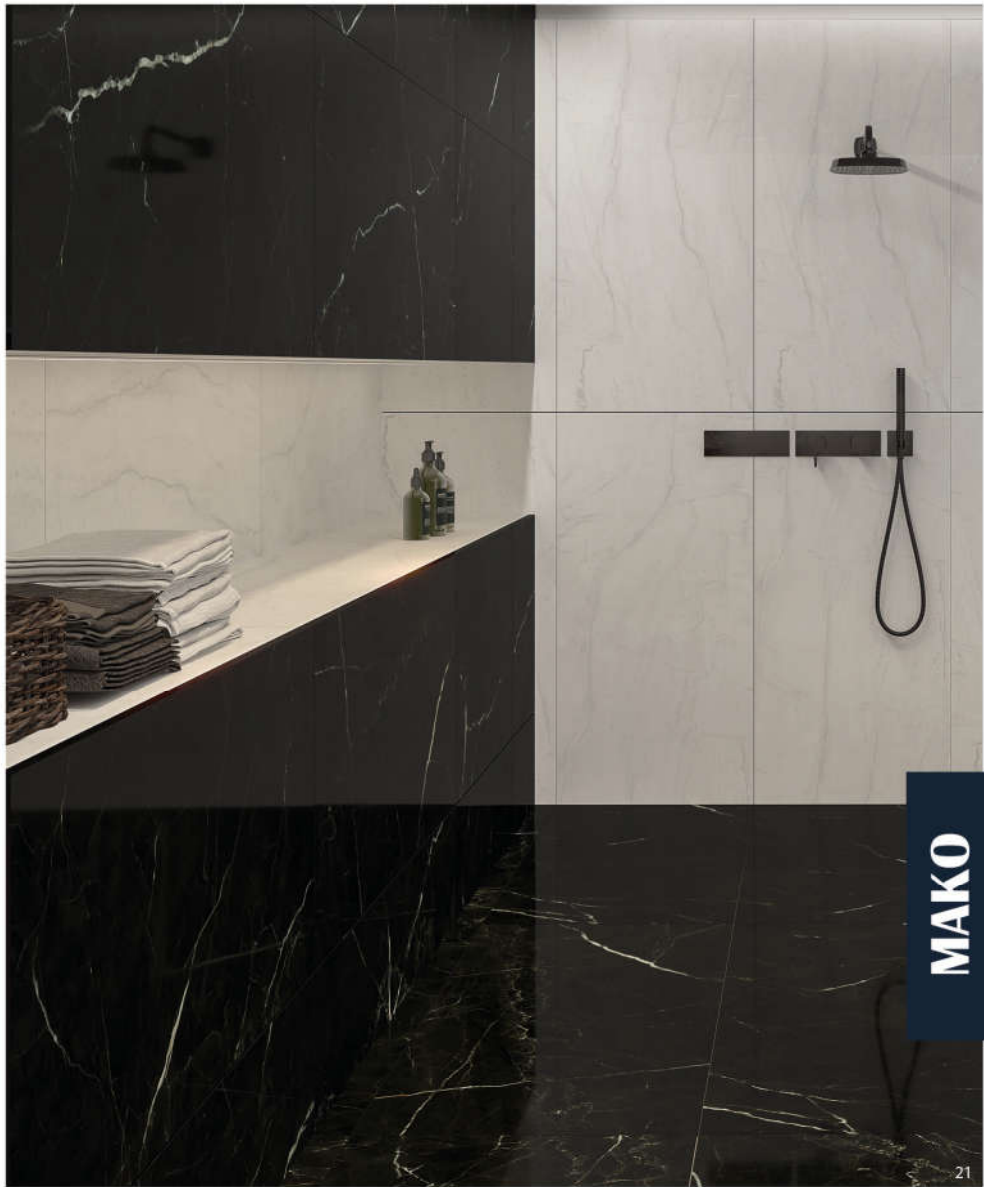
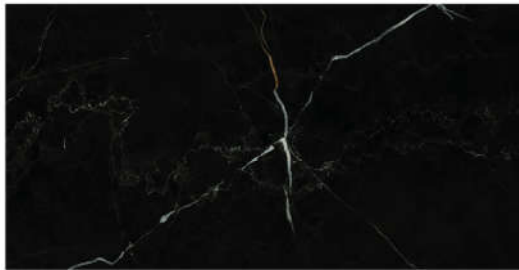
6 faces



MAKO BLACK
Polished | 60x120



7 faces



MAKO

CALCATTÀ SILVER

Polished | 60x120



7 faces



CALCATTÀ

CALCATTÀ

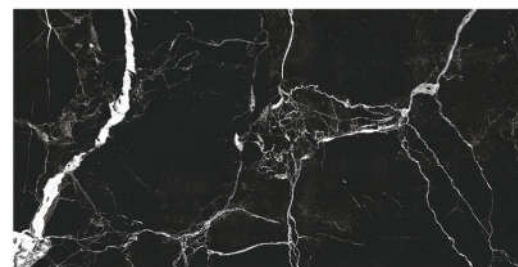


24

CALCATTÀ BLACK
Polished | 60x120



5 faces



120 cm
60 cm

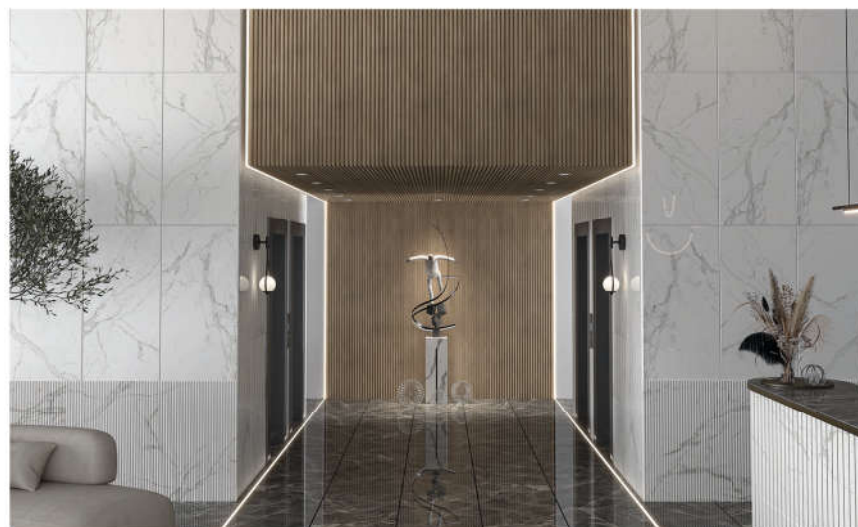


CALCATTÀ



26

CALCATTÀ GRAY Polished | 60x120



4 faces



120 cm
60 cm



CALACATTA GOLD
Polished | 60x120



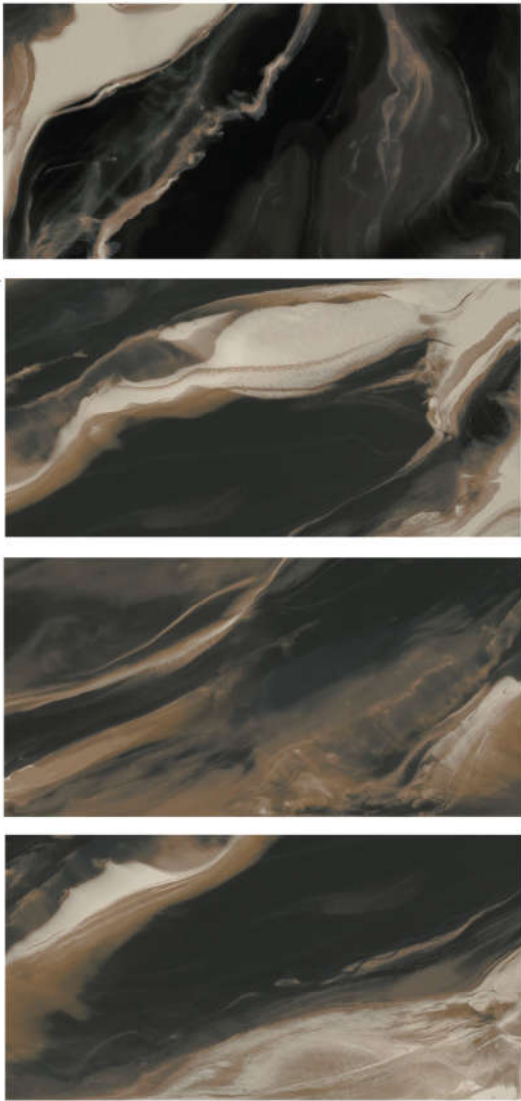
8 faces



CALCATTÀ

MONTE BLACK
Polished | 60x120

10 faces



MONTE

MONTE



32

MONTE IVORY
Polished | 60x120



10 faces



120 cm
60 cm



ARAB ESCATO CREAM

Polished | 60x120



5 faces



ARAB ESCATO

ARAB ESCATO



36

ARAB ESCATO BLACK Polished | 60x120



5 faces

120 cm
60 cm



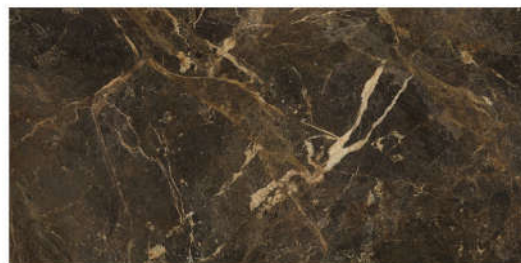
CORNELIN



CORNELIN BROWN
Polished | 60x120



7 faces



CORNELIN CREAM
Polished | 60x120

7 faces



CORNELIN

CORNELIN LIGHT GRAY
Polished | 60x120

7 faces



CORNELIN

CORNELIN



44

CORNELIN DARK GRAY
Polished | 60x120

7 faces



60 cm
120 cm



LION

46

LION BLUE
Polished | 60x120

4 faces



120 cm
60 cm



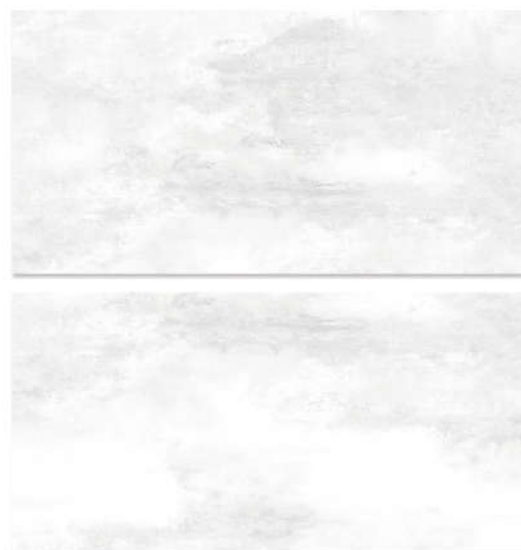
LION



48

LION WHITE
Polished | 60x120

4 faces



120 cm
60 cm



LION DARK GRAY
Polished | 60x120

4 faces



LION

ONIX
Polished | 60x120



4 faces



ONIX

PANDA



54

PANDA

Polished | 60x120



8 faces

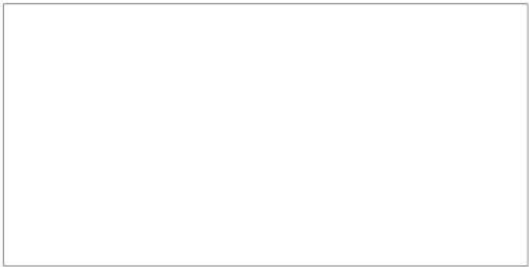


120 cm
60 cm



SUPER WHITE
Polished | 60x120

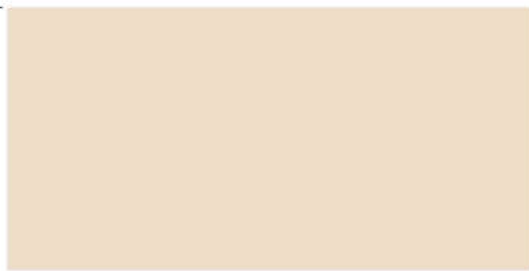
1 face



SUPER

SUPER CREAM
Polished | 60x120

1 face



SUPER

Matt

Vista Light Gray
Vista Dark Gray
Galaxy Light Gray
Galaxy Dark Gray
Rasan
Mono Color
Calacatta Gray
Roma Gray
Quartzite Light Gray
Quartzite Dark Gray
Serena Bone I Gray



VISTA



62

VISTA LIGHT GRAY
Matt | 60x120



1 face



VISTA



64

VISTA DARK GRAY
Matt | 60x120



1 face

120 cm
60 cm



GALAXY LIGHT GRAY
Matt | 60x120

5 faces



GALAXY

GALAXY DARK GRAY
Matt | 60x120

5 faces



GALAXY

RASAN



RASAN

Matt | 60x120

3 faces



MONO COLOR



Orange



Yellow

MONO COLOR

Orange | Yellow

Light Gray | Dark Gray

Matt | 60x120

1 face



Light Gray



Dark Gray

120 cm

60 cm



MONO COLOR



White



Green

MONO COLOR

White | Cream | Blue

Pink | Green

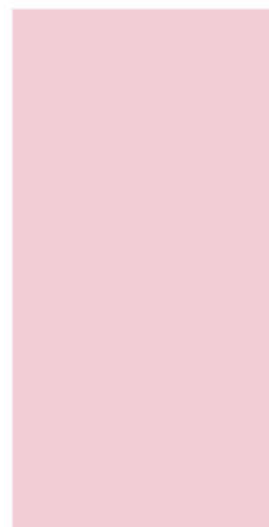
Matt | 60x120



1 face



Blue



Pink



Cream

CALACATTA GRAY

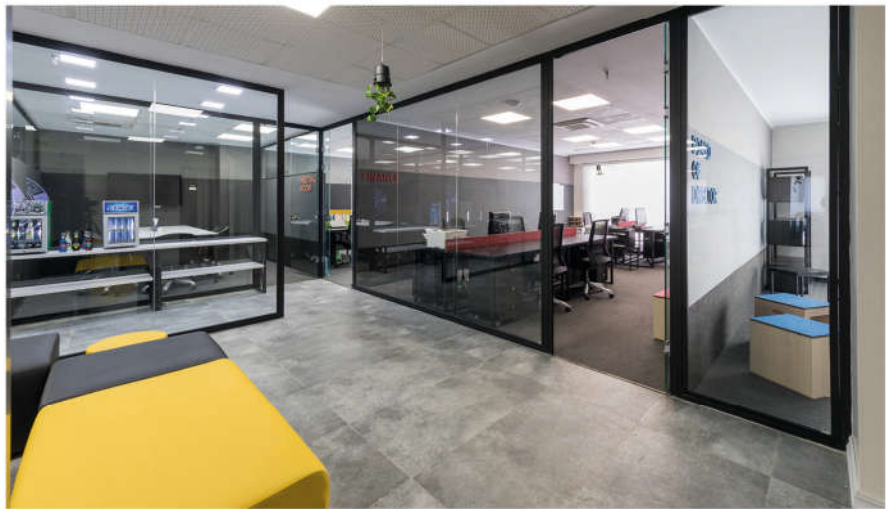
Matt | 60x120

4 faces



CALACATTA

ROMA GRAY RUSTIC
Matt | 60x120



4 faces _____



QUARTZITE



80

QUARTZITE LIGHT GRAY RUSTIC

Matt | 60x120



1face

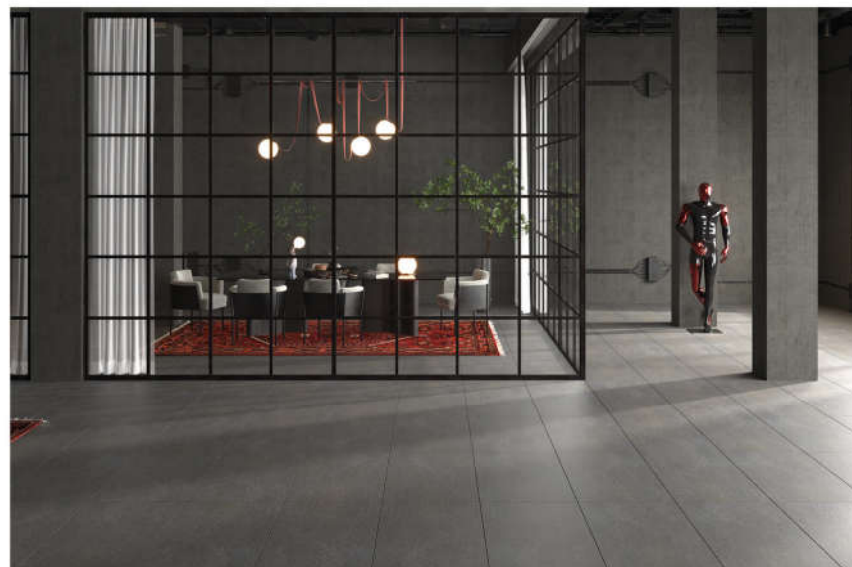




82

QUARTZITE DARK GRAY RUSTIC

Matt | 60x120



1face

120 cm
60 cm

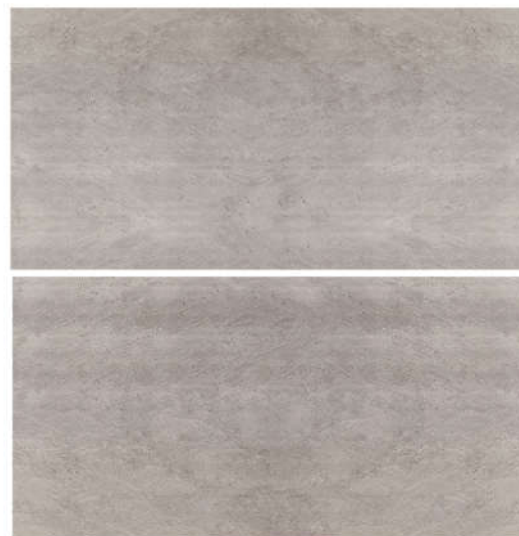


SERENA



84

SERENA GRAY | BONE RUSTIC
Matt | 60x120



Gray



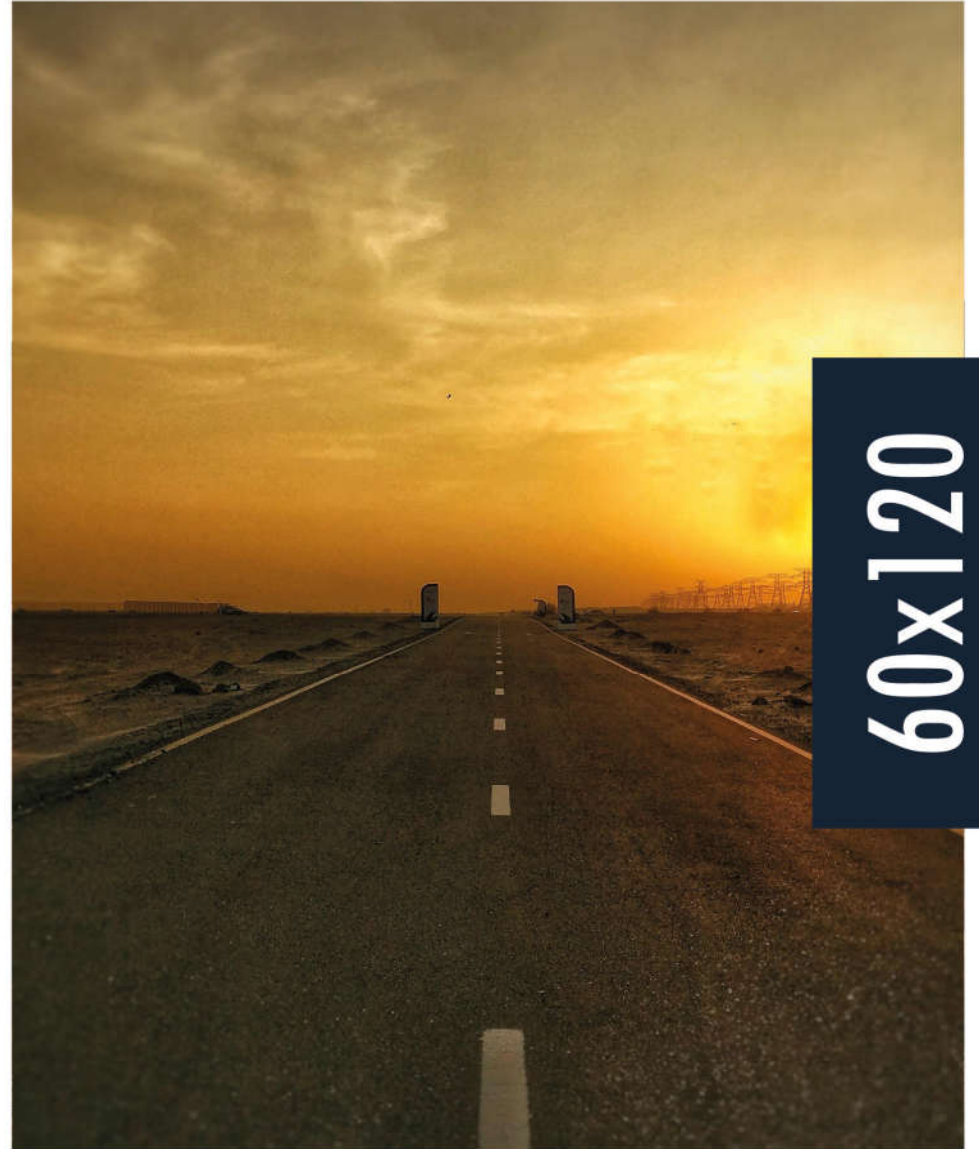
Bone

4 faces



Book Match

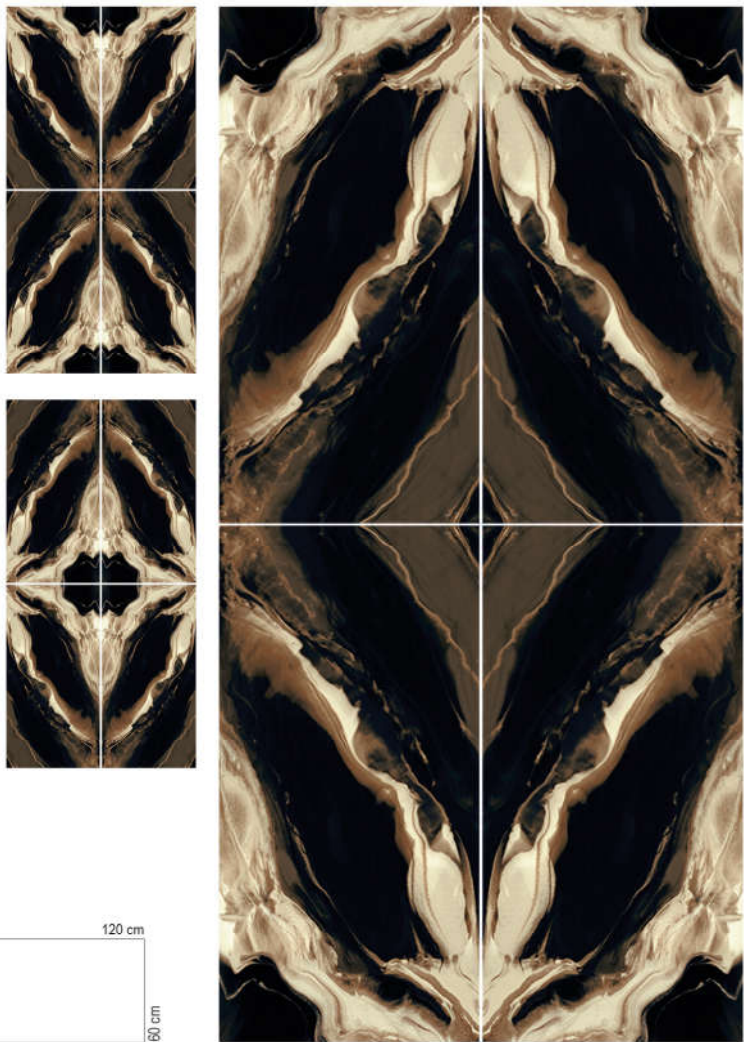
Monte Black
Monte Ivory
Panda
Cornelin Brown



60x120

MONTE BLACK
Polished | 60x120

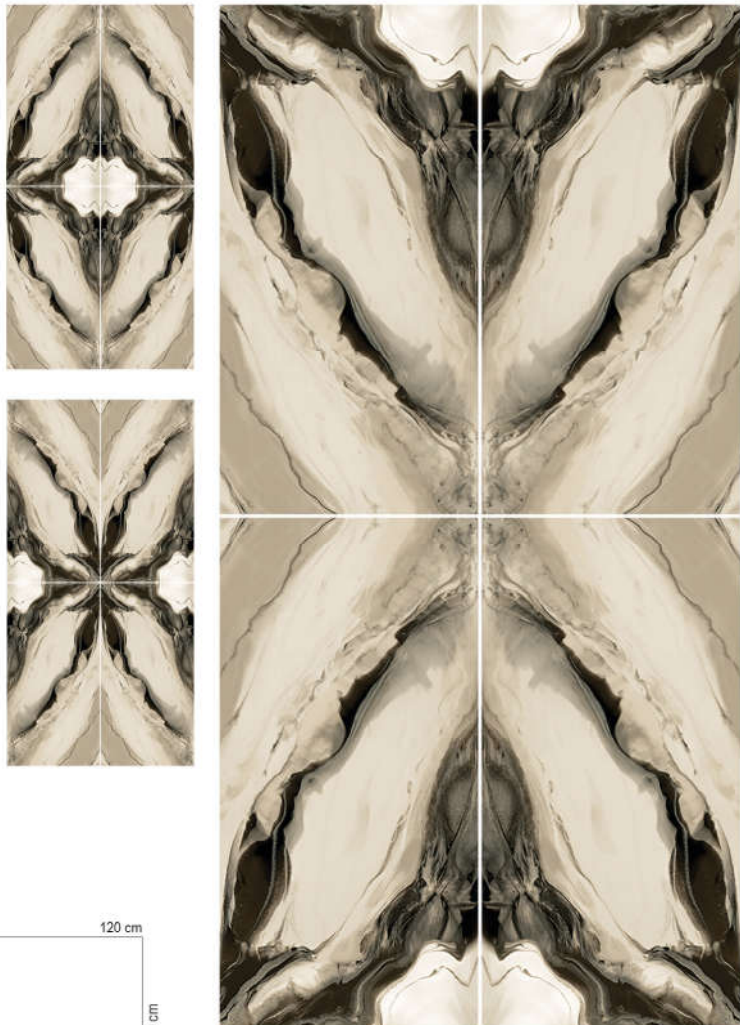
10 faces



MONTE

MONTE IVORY
Polished | 60x120

10 faces



MONTE

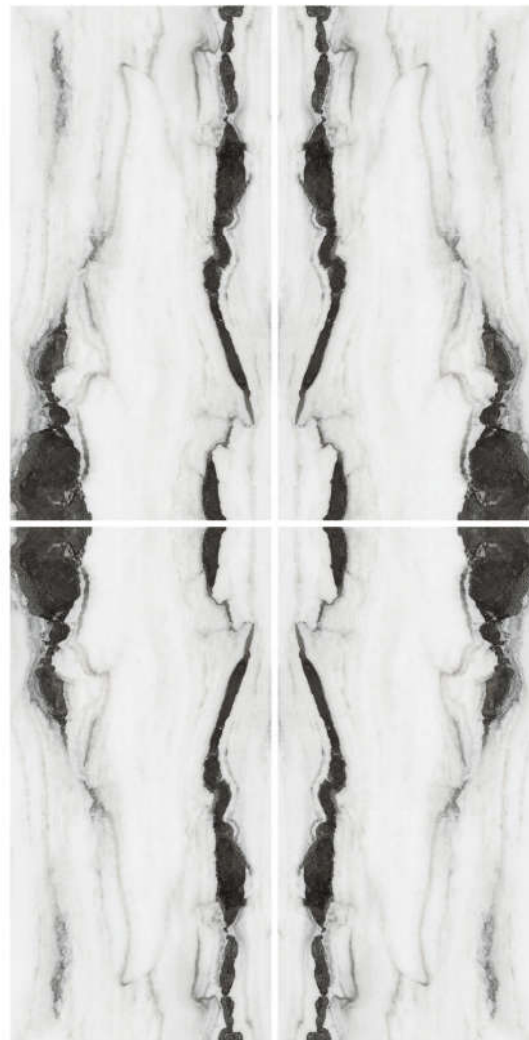
PANDA



92

PANDA

Polished I 60x120



8 faces

120 cm
60 cm



CORNELIN BROWN

Polished | 60x120

10 faces



CORNELIN

Semi Polished I Matt

Tooska Light Gray

Tooska Brown

Abnos



TOOSKA



98

TOOSKA LIGHT GRAY
Semi Polished | 20x120



6 faces

20 cm
120 cm



TOOSKA



TOOSKA BROWN
Matt | 20x120



12 faces

20 cm 120 cm



ABNOS

Matt | 20x120



12 faces



ABNOS

Polished

Bianco
Opal Light Cream
Opal Light Gray
Vista Light Gray
Vista Bone
Vista Antrasit
Sauvage Light Gray
Calcatta Gray
Calcatta Gold
Onix
Coral



100x100

BIANCO

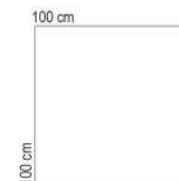


106

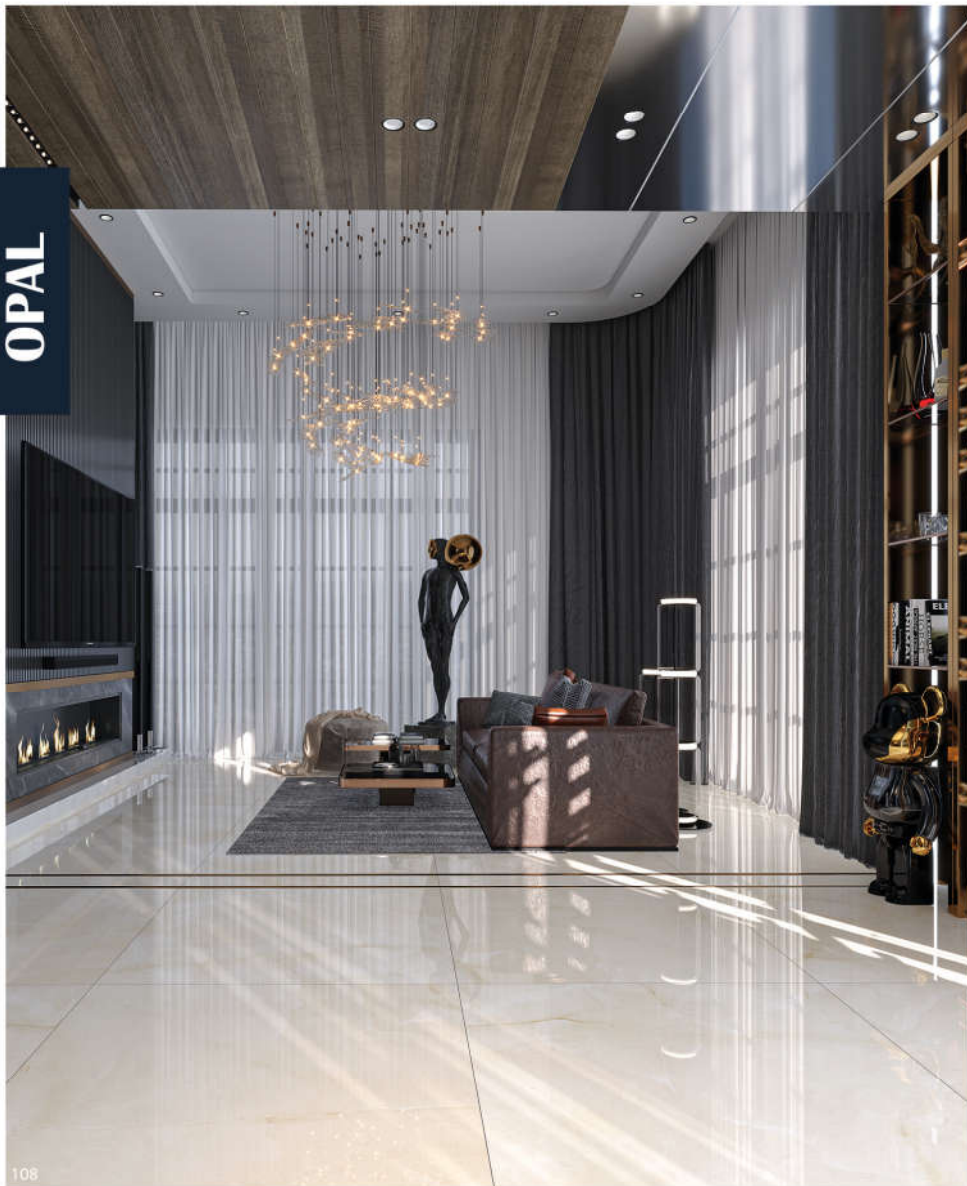
BIANCO
Polished | 100x100



5 faces

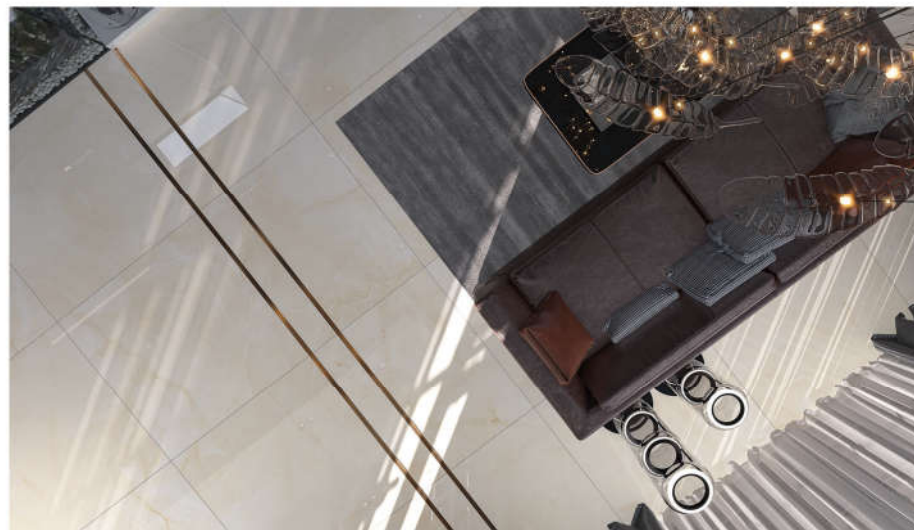


OPAL



108

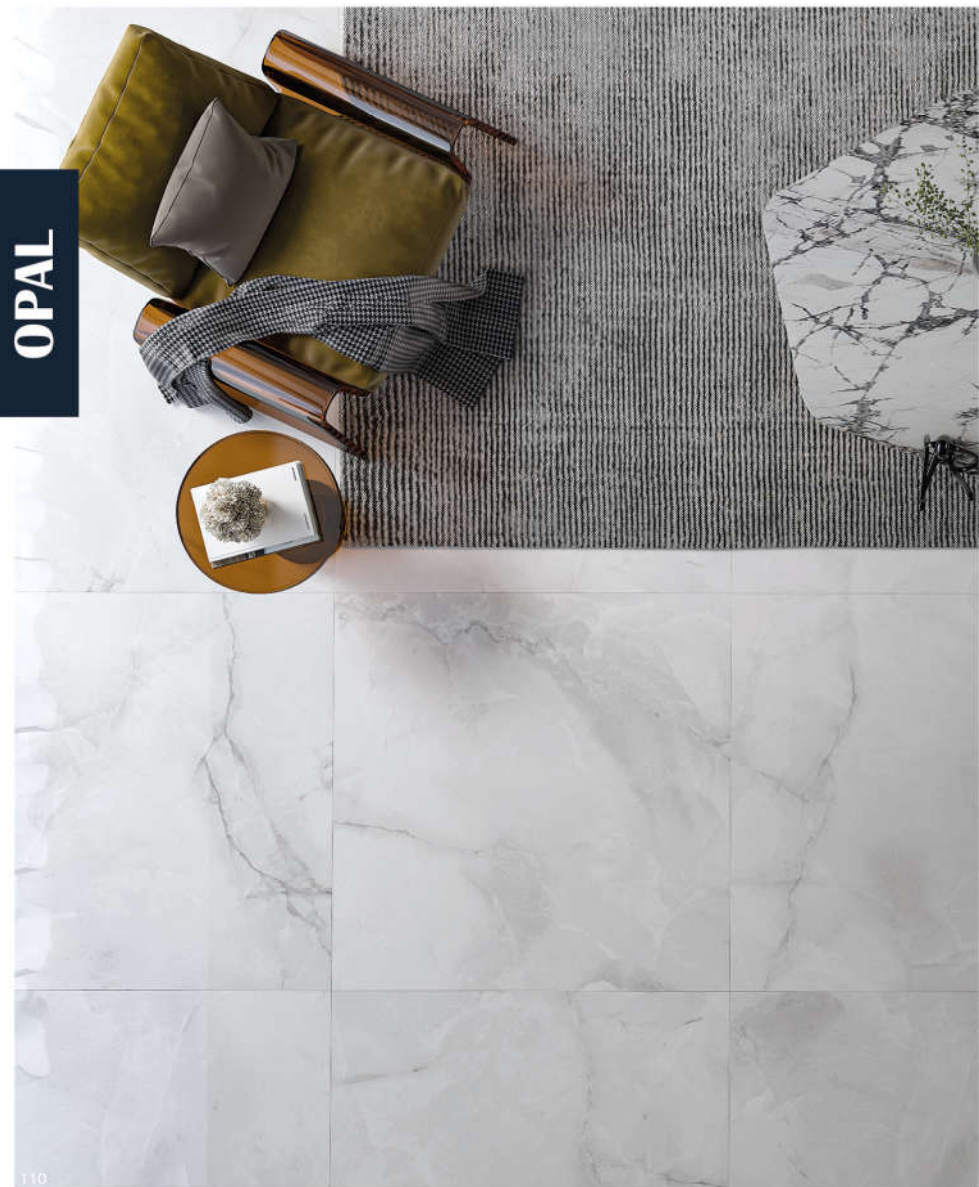
OPAL LIGHT CREAM
Polished | 100x100



8 faces

100 cm
100 cm





110

OPAL

OPAL LIGHT GRAY
Polished | 100x100



8 faces

100 cm

100 cm



VISTA

112

VISTA LIGHT GRAY
Polished | 100x100



1 face

100 cm
100 cm





VISTA

114

VISTA BONE
Polished | 100x100



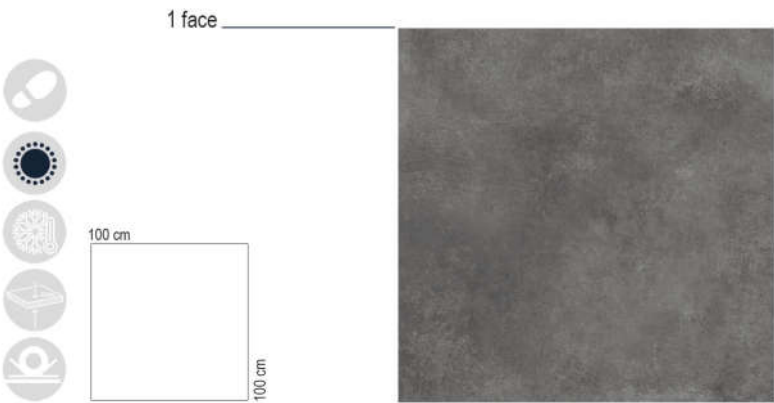
1 face

100 cm

100 cm



VISTA ANTRASIT
Polished | 100x100



VISTA

SAUVAGE LIGHT GRAY
Polished | 100x100



SAUVAGE

CALCATTÀ

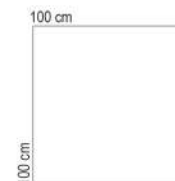
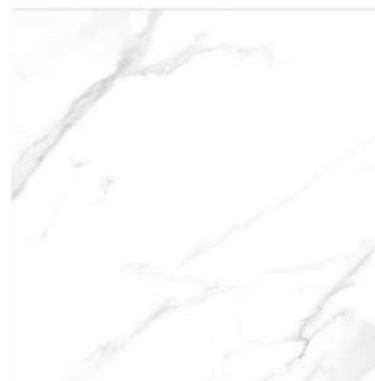
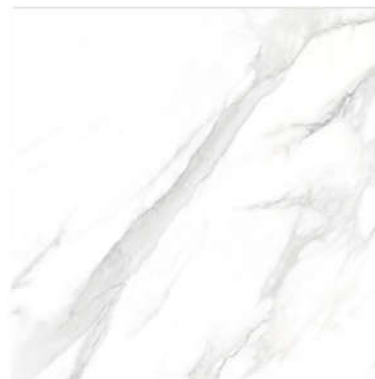


120

CALCATTÀ GRAY

Polished | 100x100

8 faces



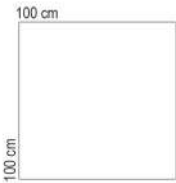
CALCATTÀ



CALCATTÀ GOLD
Polished | 100x100

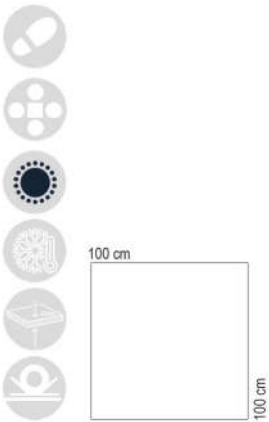


8 faces



ONIX
Polished | 100x100

6 faces



CORAL



126

CORAL

Polished | 100x100



6 faces

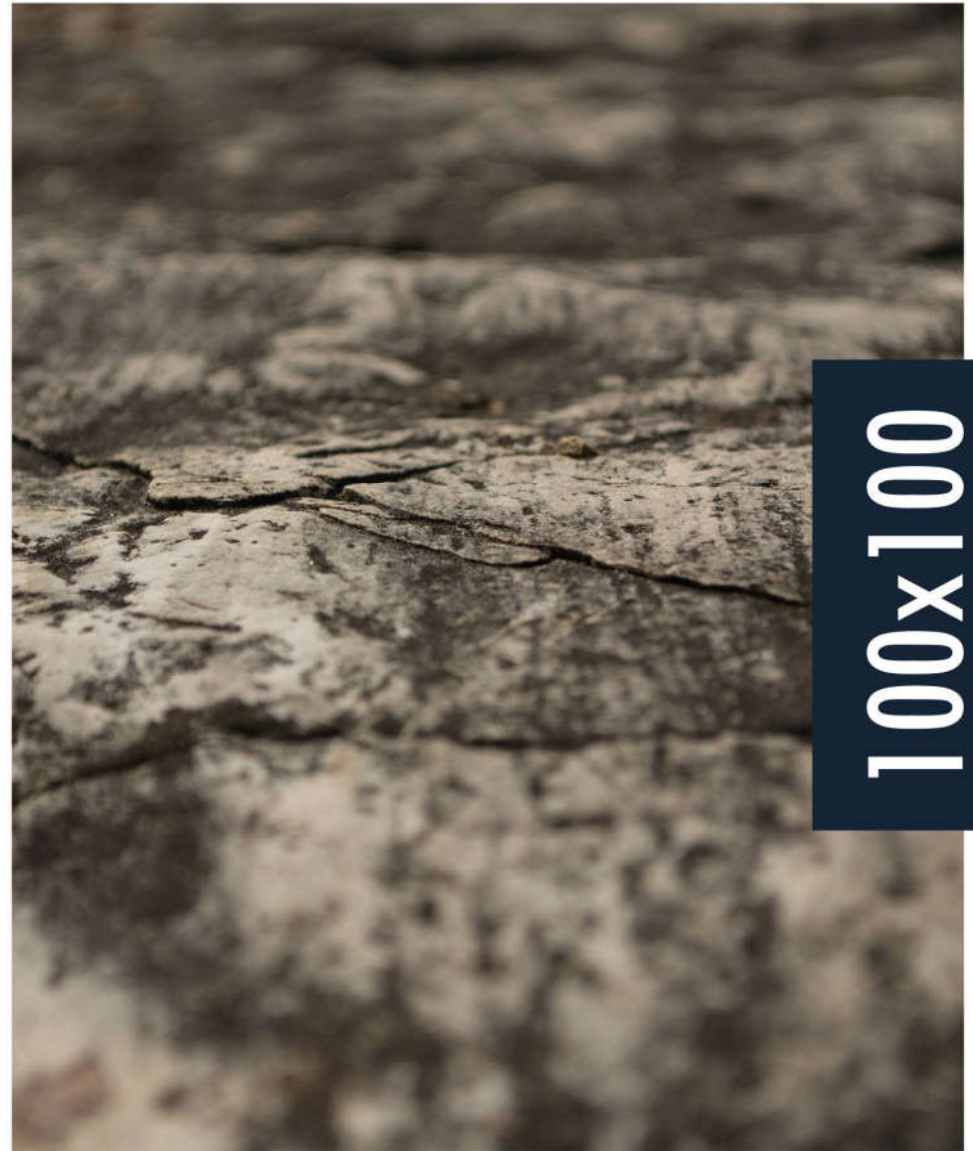


100 cm
100 cm



Matt

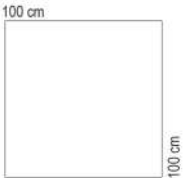
Roma Light Gray
Arena Light Gray
Arena Dark Gray
Vista Light Gray
Vista Bone
Calacatta Gray



100x100

ROMA LIGHT GRAY
Matt | 100x100

3 faces _____

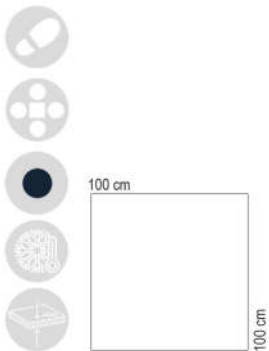


ROMA

ARENA LIGHT GARY
Matt | 100x100



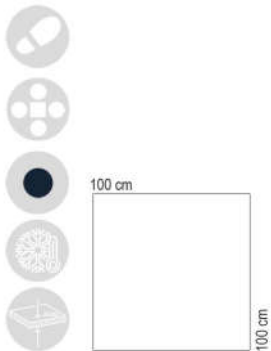
7 faces



ARENA

ARENA DARK GARY
Matt | 100x100

7 faces



ARENA



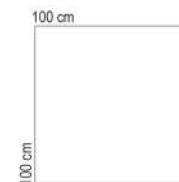
136

VISTA LIGHT GRAY

Matt | 100x100



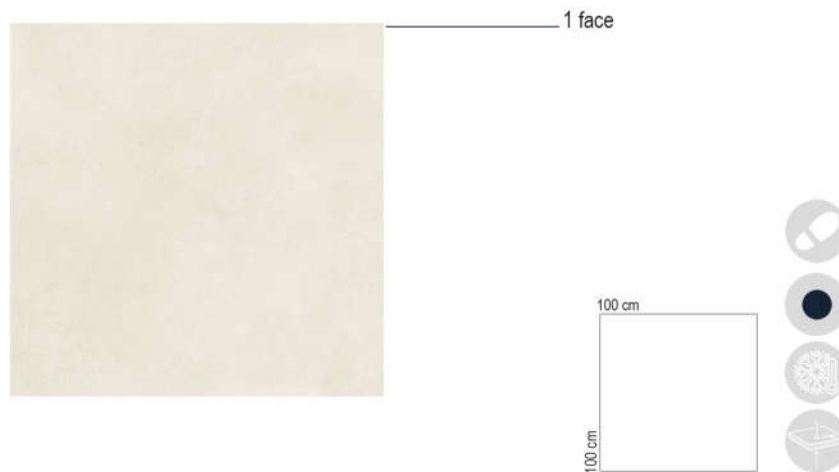
1 face





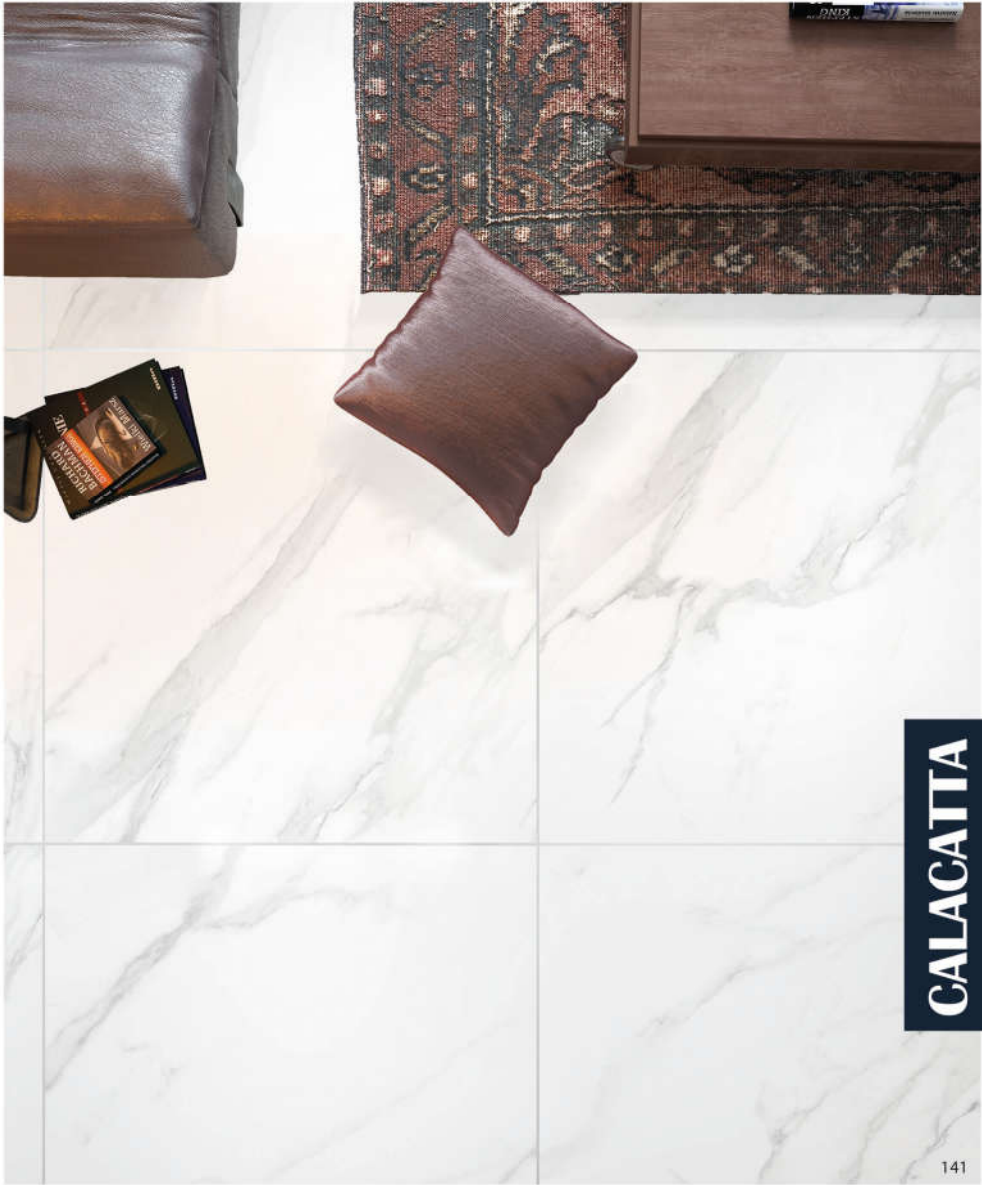
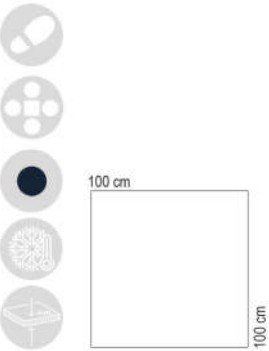
138

VISTA BONE
Matt | 100x100



CALACATTA GARY
Matt | 100x100

7 faces



CALACATTA

Matt
Quartzit Gray
Quartzit Light Gray



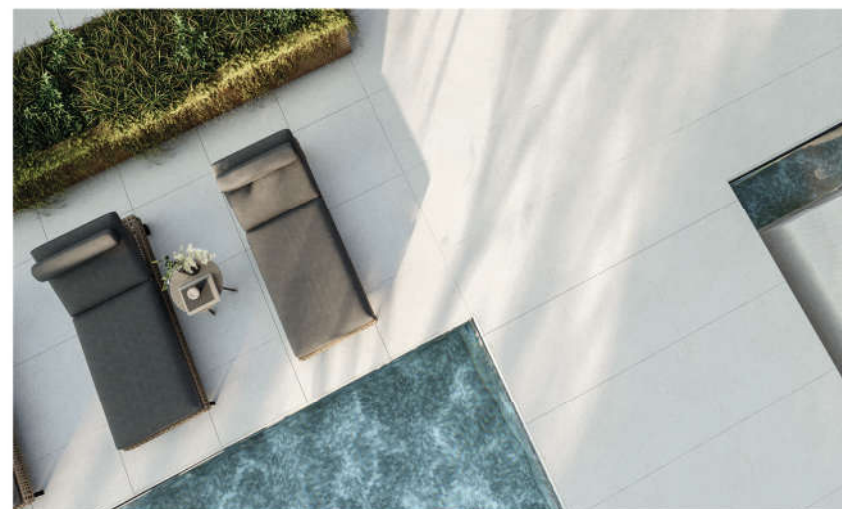
QUARTZIT



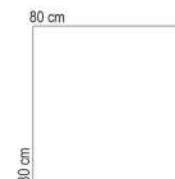
144

QUARTZIT LIGHT GRAY

Matt | 80x80



1 face



QUARTZIT



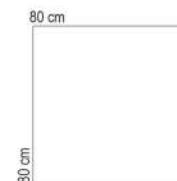
146

QUARTZIT GRAY

Matt | 80x80



1 face



Matt | 30x30

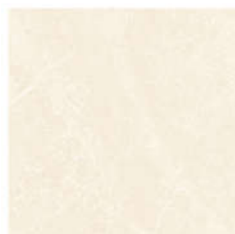
TAKCERAM



Calacatta Black - Matt



Calacatta Gold - Matt



Cornelin Cream - Matt



Calacatta Gray - Matt



Lion White - Matt



Cornelin brown - Matt



Nero - Matt



Panda White - Matt



Lion Blue - Matt

Matt | 30x30



ANTI ACID GRANITE TILE

TAKCERAM ZERO GARDEN

TAKCERAM ZERO LAB

TAKCERAM ZERO WALK

TAKCERAM ZERO POOL

کاشی گرانیته ضد اسید
ویژه محیطهای بیمارستانی، آزمایشگاهی
ترافیکی و صنعتی

استحکام بسیار بالا
جذب آب نزدیک به صفر
تحمل تنش بالا در برابر گرما و سرما
مقاوم در برابر اسیدها
مقاوم در برابر لک پذیری

40x40

IO Cream
I5 Gray
SGIO Cream
SGI5 Gray
SFIO Cream
SFI5 Gray

30x30

IO Cream
SDIO Cream
SEIO Cream
SAW 101 Colorless
SBW101 Colorless
W101 Colorless
W103 Colorless



T A K C E R A M
— Z E R O —

SPECIAL FEATUERS



Resistant to the attack from acids and cleaning products

مقاوم در برابر اسیدها و مواد شوینده



Resistant to frost and thermal shock

مقاوم در برابر یخ زدگی و شوک حرارتی



Anti Slip

ضد لغزش



Resistant to Staining

مقاوم در برابر لکه پذیری



Breaking Strength

استحکام بالا



Low Water Absorbtion

جذب آب بسیار پایین (<0.5%)



Easy to Clean

شستشوی آسان



High Durability

دوام و طول عمر بالا

PLACE / ENVIRONMENT

Industrial environment

محیط های صنعتی



Laboratory

آزمایشگاه



Hospital

بیمارستان



Parking

پارکینگ



Hypermarket

هایپر مارکت



Pool

استخر



Airport

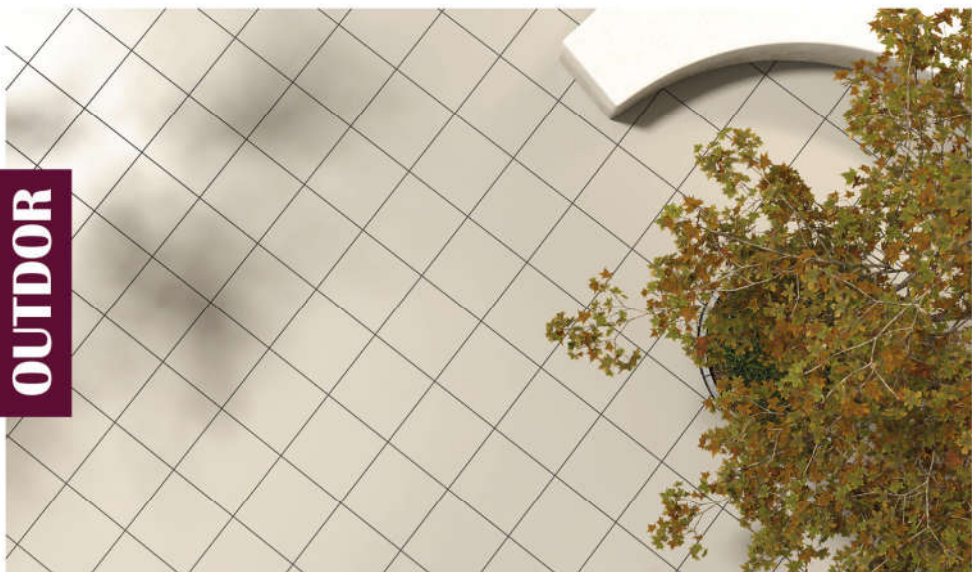
فرودگاه



Restaurant

رستوران



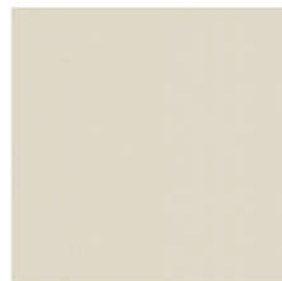


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OUTDOOR

INDUSTRIAL

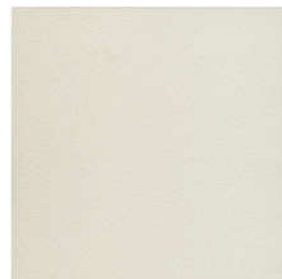
Matt | Rustic | 40x40



I0 - Matt



I5 - Matt



SF10 - Rustic



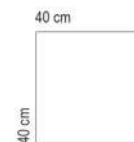
SF15 - Rustic



SG10 - Rustic



SG15 - Rustic

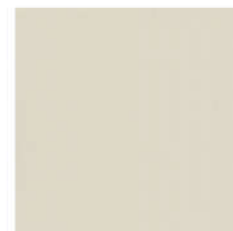




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INDUSTRIAL

Matt | Rustic | 30x30



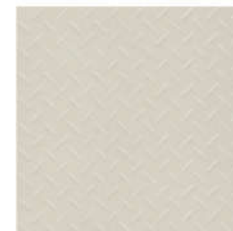
IO - Matt



SAW 101 - Rustic



SBW 101 - Rustic



SDIO - Rustic



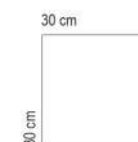
SEIO - Rustic



W 103 - Rustic



W 101 - Rustic





Test Report And Technical Specification Of Products

Manufacturer Company	Takceram Tile
Nominal Size	400 x 400
Work Size	400 x 400
Thickness (mm)	14.3
Date Of Measuring	2022.09.24

Type	Granite, Acid Resistant
Type Of Application	Wall & Floor
Place Of Application	Interior & Exterior

Standard No.	INSO 3051
Water Absorption Group	≤ 0.5
App Area (m²)	0.8

Chemical Class	A
Abrasion Class	3
Staining Class	4

Dimensions, Flatness and Surface Quality

No.	Specification / Test		measuring data	Standard	Test Method
1	Dimensions	1-1	Deviation Of Side Dimensions	± 0.2 %	INSO 9169-2
		1-2	Thickness (mm)	14.3± 5 %	
2	Straightness Of Sides (Work Size %)		± 0.15 %	± 0.2 %	
3	Rectangularity (Work Size %)		± 0.15 %	± 0.2 %	
4	Surface Flatness	4-1	Centre Curvature (diagonal Of Work Size %)	± 0.2 %	
		4-2	Edge Curvature (Work Size %)	± 0.2 %	
		4-3	Warpage (diagonal Of Work Size %)	± 0.2 %	
5	Surface Quality		Acceptable	Minimum 95% Of Tiles Shall Be Free From Visible Defects	

Physical Properties

No.	Specification / Test		measuring data	Standard	Test Method
6	Water Absorption		E ≤ 0.5 %	E ≤ 0.5 %	INSO 9169-3
7	7-1	Failure Force (N)	F ≥ 4200	F ≥ 1300	INSO 9169-4
	7-2	Modulus Of Rupture (N/mm²)	M ≥ 42	M ≥ 35	
8	Resistance To Surface Abrasion	Resistance To Surface Abrasion Of Glazed Tiles Intended For Use On Floors	Abrasion Class III	Should Be Mentioned Test Method Available	INSO 9169-7
9	Linear Thermal Expansion (From Room Temperature to 100°C)		87 × 10 ⁻⁷	Test Method Available	INSO 9169-8
10	Thermal Shock Resistance		Resistant	Required	INSO 9169-9
11	Crazing Resistance (Autoclave)		Resistant	Required	INSO 9169-11
12	Frost Resistance		Resistant	Required	INSO 9169-12
13	Moisture Expansion		Acceptable	Test Method Available	INSO 9169-10
14	Small Color Differences		Acceptable	Test Method Available	INSO 9169-16
15	Impact Resistance		Acceptable	Test Method Available	INSO 9169-5
16	Coefficient Of Friction		---	Test Method Available	ISO 10545-17
17	Surface Hardness (Mohs)		S.H. ≥ 7	S.H. ≥ 6	ISIRI 3996

Chemical Properties

No.	Specification / Test		measuring data	Standard	Test Method
18	Resistance To Staining		Class 4	Should Be Mentioned	INSO 9169-14
19	Resistance To Low Concentrations Of Acids And Alkalis		A	Manufacturer To State Classification	ISO 10545-13
20	Resistance To High Concentrations Of Acids And Alkalis		---		
21	Resistance To Household Chemicals & Swimming Pool Salts		Resistant		
22	Lead And Cadmium Release		---	---	INSO 9169-15

Other Chemical Properties

23	Resistance To Acid (Weight Reduction)		M ≤ 0.5 %	M ≤ 1.5 %	INSO 3051
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Other Specifications

24	24-1	Packaging And Marking	Acceptable	INSO 3051
	24-2	"National Standard" & "Made In Iran" Sign	Has	
	24-3	Required Sign & Information	Has	

Quality Control Manager



Test Report And Technical Specification Of Products

Manufacturer Company	Takceram Tile
Nominal Size	600x1200
Work Size	600x1200
Thickness (mm)	11
Date Of Measuring	2022.10.18

Type	Nano Polished GL & Matt GL
Type Of Application	Wall & Floor
Place Of Application	Interior& Exterior

Standard No.	INSO 25 - ISO 13006
Water Absorption Group	Annex H Bib (0.54E ± 3.0%)
App Area (m²)	1.44

Chemical Class	A
Abrasion Class	2
Staining Class	4

Dimensions, Flatness and Surface Quality

No.	Specification / Test		Measured	Standard	Test Method
1	Dimensions	1-1	Deviation Of Side Dimensions	± 0.2 %	INSO 9169-2
		1-2	Thickness (mm)	11.0 ± 0.5	
2	Straightness Of Sides (Work Size %)		± 0.2 %	± 0.5 %	
3	Rectangularity (Work Size %)		± 0.2 %	± 0.5 %	
4	Surface Flatness	4-1	Centre Curvature (diagonal Of Work Size %)	± 0.2 %	
		4-2	Edge Curvature (Work Size %)	± 0.2 %	
		4-3	Warpage (diagonal Of Work Size %)	± 0.2 %	
5	Surface Quality		Acceptable	Minimum 95% Of Tiles Shall Be Free From Visible Defects	

Physical Properties

No.	Specification / Test		Measured	Standard	Test Method
6	Water Absorption		2.5	0.5 < E ≤ 3	INSO 9169-3
7	7-1	Failure Force (N)	2700	F ≥ 1100	INSO 9169-4
	7-2	Modulus Of Rupture (N/mm²)	34	M ≥ 30	
8	Resistance To Surface Abrasion	Resistance To Surface Abrasion Of Glazed Tiles Intended For Use On Floors	Abrasion Class II	Should Be Mentioned Test Method Available	INSO 9169-7
9	Linear Thermal Expansion (From Room Temperature to 100°C)		83 × 10 ⁻⁷	Test Method Available	INSO 9169-8
10	Thermal Shock Resistance		Resistant	Required	INSO 9169-9
11	Crazing Resistance (Autoclave)		Resistant	Required	INSO 9169-11
12	Frost Resistance		Resistant	Required	INSO 9169-12
13	Moisture Expansion		Acceptable	Test Method Available	INSO 9169-10
14	Small Color Differences		Acceptable	Test Method Available	INSO 9169-16
15	Impact Resistance		Acceptable	Test Method Available	INSO 9169-5
16	Coefficient Of Friction		---	Test Method Available	ISO 10545-17
17	Surface Hardness (Mohs)		S.H. ≥ 6	S.H. ≥ 6	ISIRI 3996

Chemical Properties

No.	Specification / Test		Measured	Standard	Test Method
18	Resistance To Staining		Class 4	Should Be Mentioned	INSO 9169-14
19	Resistance To Low Concentrations Of Acids And Alkalis		A	Manufacturer To State Classification	ISO 10545-13
20	Resistance To High Concentrations Of Acids And Alkalis		---		
21	Resistance To Household Chemicals & Swimming Pool Salts		Resistant		
22	Lead And Cadmium Release		---	---	INSO 9169-15

Other Specification's

23	23-1	Packaging And Marking	Acceptable	INSO 25
	23-2	"National Standard" & "Made In Iran" Sign	Has	
	23-3	Required Sign & Information	Has	

Quality Control Manager



Test Report And Technical Specification Of Products

Manufacturer Company	Takceram Tile
Nominal Size	1000x1000
Work Size	1000x1000
Thickness (mm)	11
Date Of Measuring	2023.05.17

Type	Nano Polished GL & Matt GL
Type Of Application	Wall & Floor
Place Of Application	Interior & Exterior

Standard No.	INSO 25-ISO 13006 Annex H
Water Absorption Group	BIb(0.5<E<3.0%)
App Area (m²)	2

Chemical Class	A
Abrasion Class	2
Staining Class	4

Dimensions, Flatness and Surface Quality

No.	Specification / Test		measuring data	Standard	Test Method
1	Dimensions	1-1	Deviation Of Side Dimensions	± 0.2 %	INSO 9169-2
		1-2	Thickness (mm)	11.0±0.5	
2	Straightness Of Sides (Work Size %)		± 0.2 %	± 0.5 %	
3	Rectangularity (Work Size %)		± 0.2 %	± 0.5 %	
4	Surface Flatness	4-1	Centre Curvature (diagonal Of Work Size %)	± 0.2 %	
		4-2	Edge Curvature (Work Size %)	± 0.2 %	
		4-3	Warpage (diagonal Of Work Size %)	± 0.2 %	
5	Surface Quality		Acceptable	Minimum 95% Of Tiles Shall Be Free From Visible Defects	

Physical Properties

No.	Specification / Test		measuring data	Standard	Test Method
6	Water Absorption		2	0.5 < E ≤ 3	INSO 9169-3
7	7-1	Failure Force (N)	2700	F ≥ 1100	INSO 9169-4
	7-2	Modulus Of Rupture (N/mm²)	34	M ≥ 30	
8	Resistance To Surface Abrasion	Resistance To Surface Abrasion Of Glazed Tiles Intended For Use On Floors	Abrasion Class III	Should Be Mentioned Test Method Available	INSO 9169-7
9	Linear Thermal Expansion (From Room Temperature to 100°C)		87 × 10 ⁻⁷	Test Method Available	INSO 9169-8
10	Thermal Shock Resistance		Resistant	Required	INSO 9169-9
11	Crazing Resistance (Autoclave)		Resistant	Required	INSO 9169-11
12	Frost Resistance		Resistant	Required	INSO 9169-12
13	Moisture Expansion		Acceptable	Test Method Available	INSO 9169-10
14	Small Color Differences		Acceptable	Test Method Available	INSO 9169-16
15	Impact Resistance		Acceptable	Test Method Available	INSO 9169-5
16	Coefficient Of Friction		---	Test Method Available	ISO 10545-17
17	Surface Hardness (Mohs)		S.H. ≥ 6.5	S.H. ≥ 6	ISIRI 3996

Chemical Properties

No.	Specification / Test		measuring data	Standard	Test Method
18	Resistance To Staining		Class 4	Should Be Mentioned	INSO 9169-14
19	Resistance To Low Concentrations Of Acids And Alkalis		A	Manufacturer To State Classification	ISO 10545-13
20	Resistance To High Concentrations Of Acids And Alkalis		---		
21	Resistance To Household Chemicals & Swimming Pool Salts		Resistant		
22	Lead And Cadmium Release		---	---	INSO 9169-15

Other Specifications

23	23-1	Packaging And Marking	Acceptable	INSO 25
	23-2	"National Standard" & "Made In Iran" Sign	Has	
	23-3	Required Sign & Information	Has	

Quality Control Manager



SIZE	PRODUCT	N/BOX	BOX/M²	BOX/KG	BOXES/PALLET	PALLET/M²	PALLET/KG	PALLET M²	PALLET M²	PALLET M²
1000x1000	Matt&Polished	2	2	47	43	86	2040	12 1032	7 602	5 430
600x1200	Matt&Polished	2	1.44	34	60	86.4	2050	12 1036.8	7 604.8	5 432
200x1200	Matt	6	1.44	34	60	86.4	2050	12 1036.8	7 604.8	5 432
800x800	Matt	3	1.92	46	33	63.36	1514	15 950.4	10 633.6	7 443.52
600x600	Matt&Polished	4	1.44	33	36	51.84	1190	20 1036.8	13 673.92	9 466.56
400x400	ZERO	5	0.8	27	64	51.2	1730	14 716.8	9 460.8	6 307.2
300x300	ZERO	11	0.99	28	46	45.54	1255	19 865.28	12 546.48	8 364.32
300x300	Not Glazed	11	0.99	23	56	55.44	1295	19 1053.36	12 665.28	8 443.52