

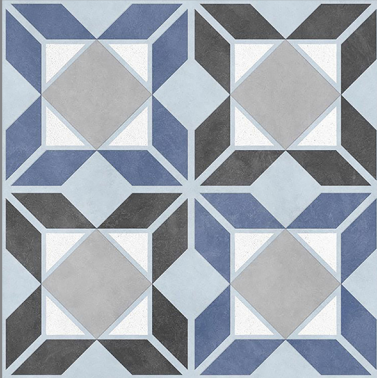


DITTA

Porcelain



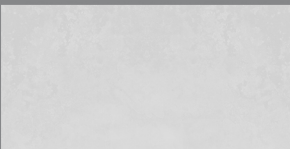
DITTA
30X30
MOROCCO



WHITE

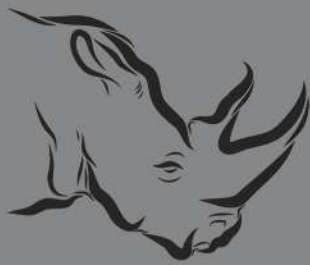


LIGHT GRAY



DARK GRAY





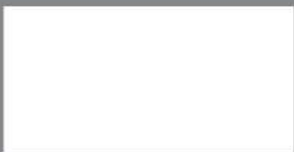
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30X30

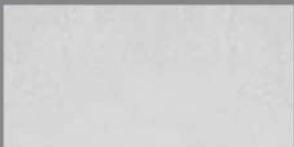
KABAN



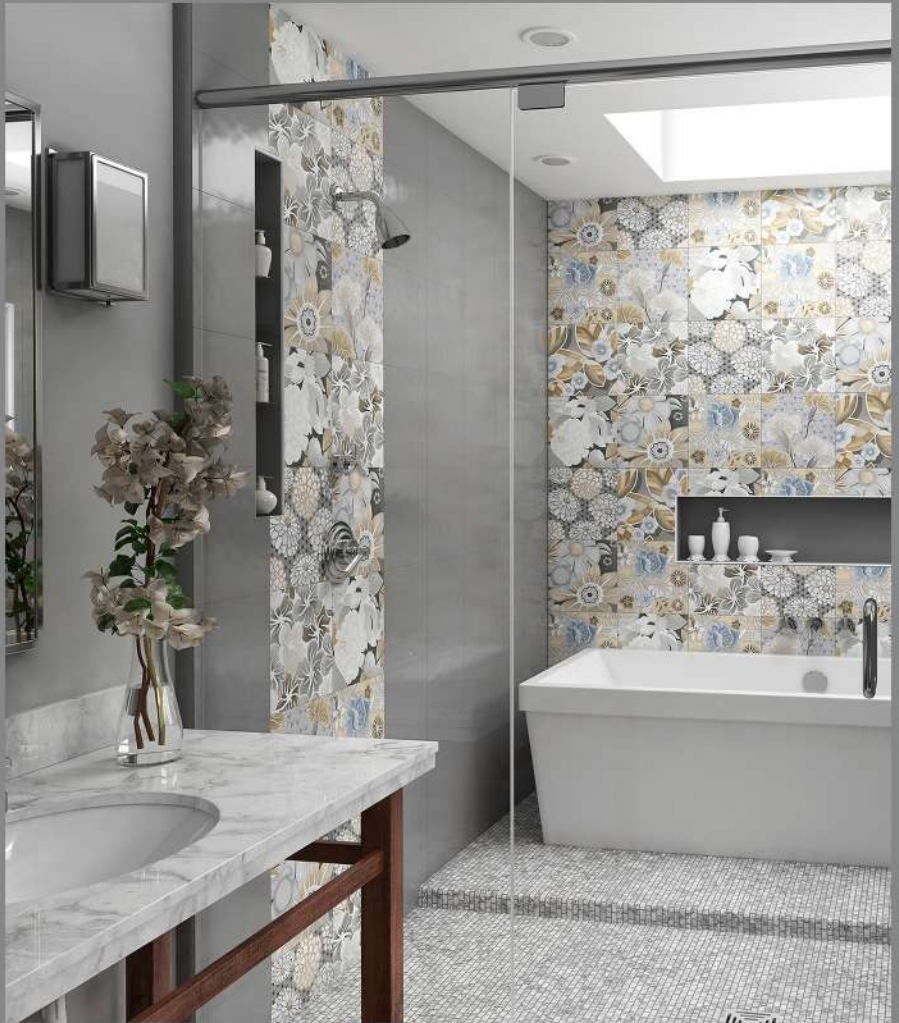
WHITE



LIGHT GRAY



DARK GRAY





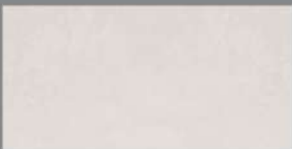
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LAVA



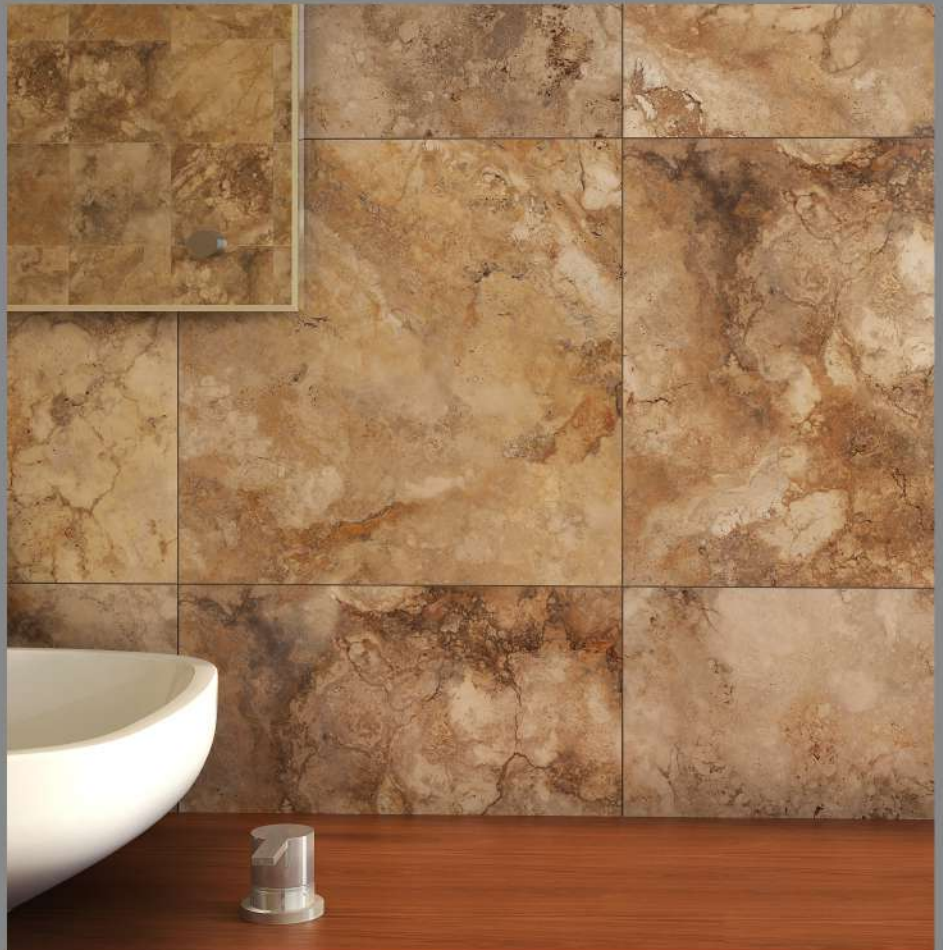
WHITE



LIGHT CREAM



LIGHT GRAY





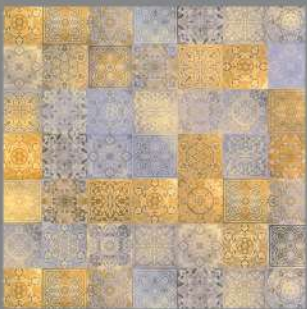
DITTA

30X30

HERA



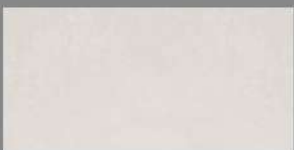
SELENE



WHITE



LIGHT CREAM



LIGHT GRAY





DITTA
30X30

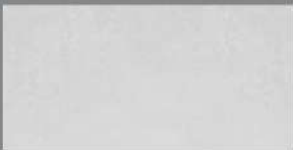
LETO



WHITE



LIGHT GRAY



DARK GRAY





DITTA

30X30

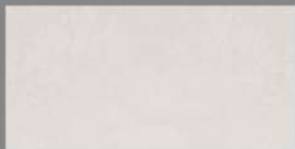
ARES



WHITE



LIGHT CREAM



LIGHT GRAY



Test Report And Technical Specification Of Products

Manufacturer Company	Takceram Tile
Nominal Size	300 × 300
Working Size	300 × 300 , 305 × 305
Thickness (mm)	12
Date Of Measuring	2016.06.14

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

Standard No.	INSO 25 - ISO 13006
Water Absorbption Group	BI _b
App Area (m ²)	1.02

Chemical Class	A
Abrasion Class	2
Staining Class	4

Dimensions, Flatness and Surface Quality

No.	Specification / Test		Value Of Takceram	Standard	Test Method
1	Dimensions	1-1	Deviation Of Side Dimensions	± 0.2 %	INSO 9169-2
		1-2	Thickness (mm)	12 ± 5 %	
2	Straightness Of Sides (Work Size %)		± 0.15 %	± 0.5 %	
3	Rectangularity (Work Size %)		± 0.15 %	± 0.5 %	
4	Surface Flatness	4-1	Centre Curvature (diagonal Of Work Size %)	± 0.2 %	
		4-2	Edge Curvature (diagonal Of Work Size %)	± 0.15 %	± 0.5 %
		4-3	Warpage (diagonal Of Work Size %)	± 0.15 %	± 0.5 %
5	Surface Quality		Acceptable	Minimum 95% Of Tiles Shall Be Free From Visible Defects	

Physical Properties

No.	Specification / Test		Value Of Takceram	Standard	Test Method
6	Water Absorption		E ≤ 2.5	0.5 ≤ E ≤ 3	INSO 9169-3
7	7-1	Failure Force (N)	F ≥ 2500	F ≥ 1100	INSO 9169-4
	7-2	Modulus Of Rupture (N/mm ²)	M ≥ 35	M ≥ 30	
8	Resistance To Surface Abrasion	Resistance To Surface Abrasion Of Glazed Tiles Intended For Use On Floors	Abrasion Class II	Abrasion Class Should Be Mentioned Test Method Available	INSO 9169-7
9	Linear Thermal Expansion (From Room Temperature to 100°C)		6.5 × 10 ⁻⁶	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)		X ≥ 6.5	X ≥ 6	ISIRI 3996

Chemical Properties

No.	Specification / Test		Value Of Takceram	Standard	Test Method
18	Resistance To Staining		Class 4	≥ Class 3	INSO 6200
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

No.	Specification / Test		Value Of Takceram	Standard	Test Method
23	23-1	Packaging And Marking		Acceptable	INSO 25
	23-2	"National Standard" & "Made In Iran" Sign		Has	
	23-3	Other Required Sign & Information		Has	

Quality Control Technician

Quality Control Manager