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terra
duro 600x600mm



HIGH ENDURANCE TILES





terra
duro

COLLECTION 2019/'20

600x600mm

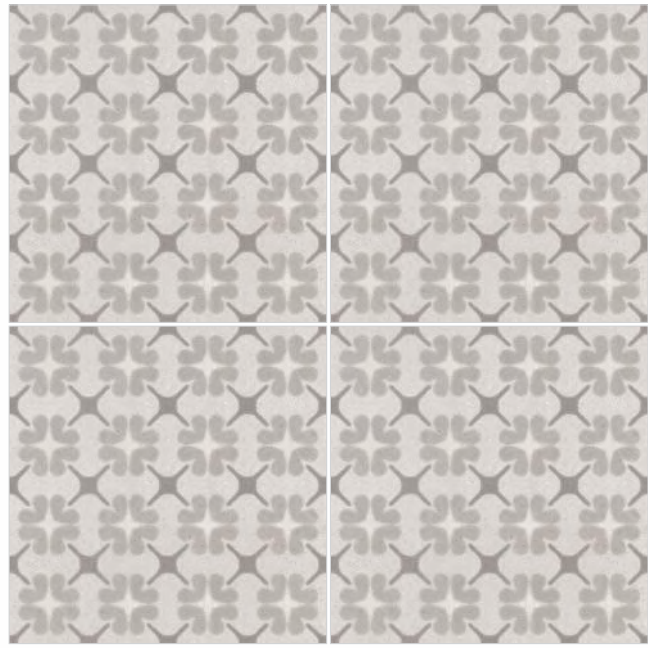
**WIDE ARRAY OF CHOICES IN DIFFERENT
THEMES, COLOURS AND FINISHES**

Cost effectiveness becomes extremely important when we talk about the product that is aspired by a huge mass. It takes rigorous trials to maintain the cost effectiveness with uncompromised quality and durability and arrive at the final collection. TERRADURO collection offers consumers the wide array of choices in different themes, colours and finishes to match their desired spaces with zero compromise.

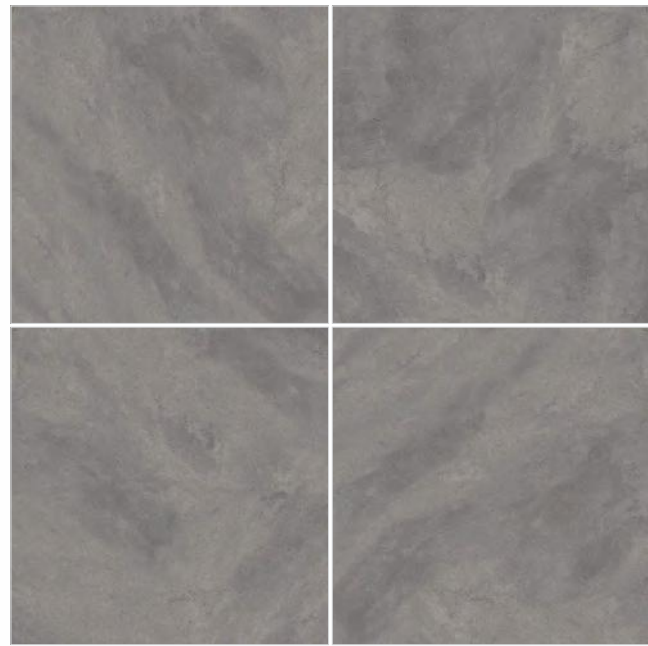
our brand
ambassador
Hrithik Roshan



Eterno Silver



Eterno Decor-1

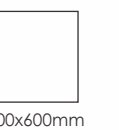


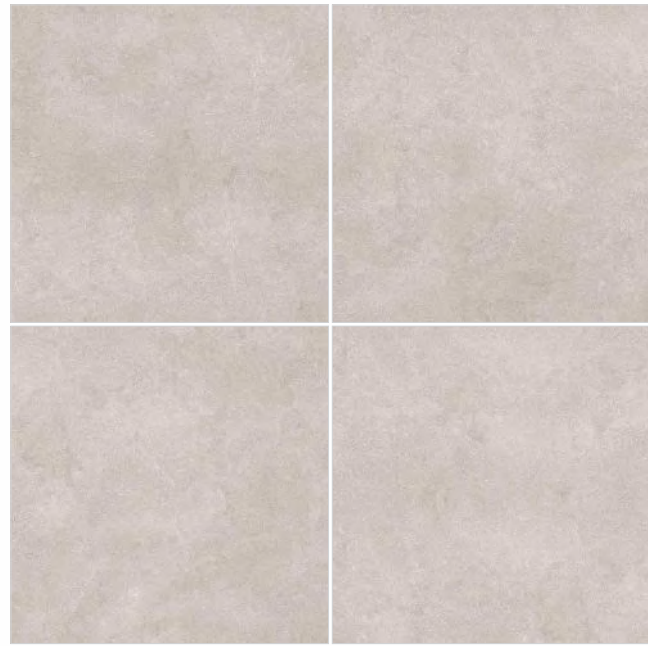
Eterno Grey



Floor
Eterno Silver + Eterno Decor-1
Eterno Grey
_Size : 600x600mm

THICKNESS: 9 mm
SURFACE: Matt

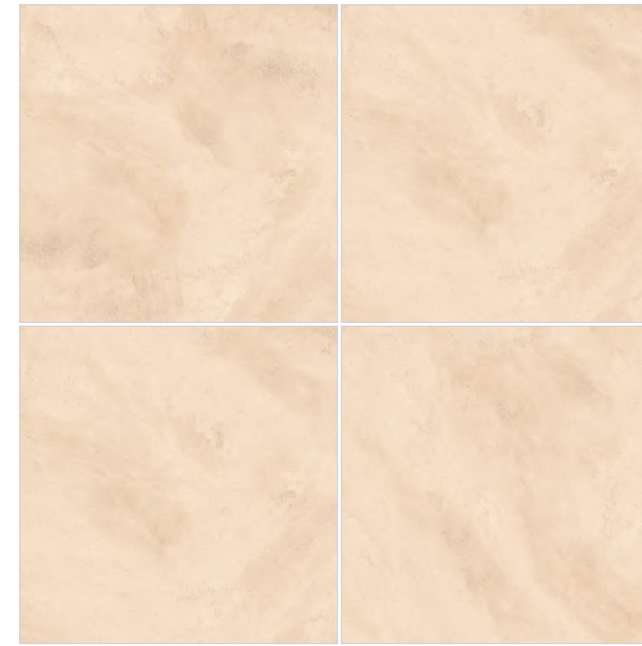




Mysty Nero



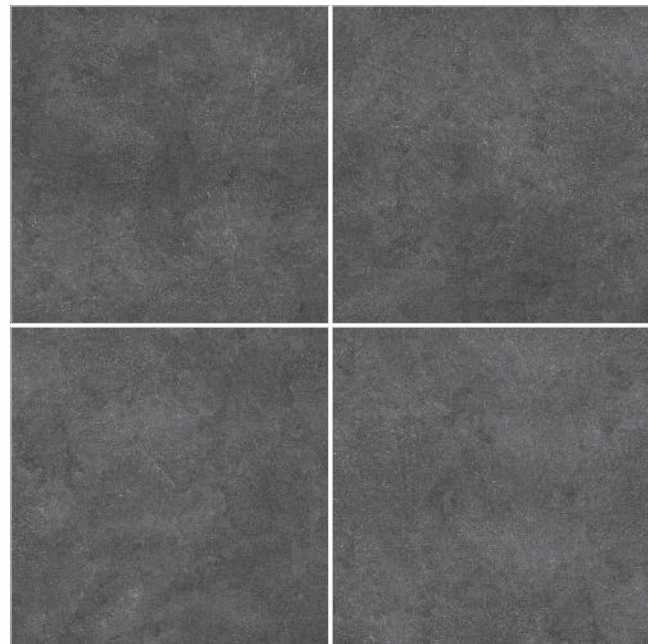
Mysty Decor-1



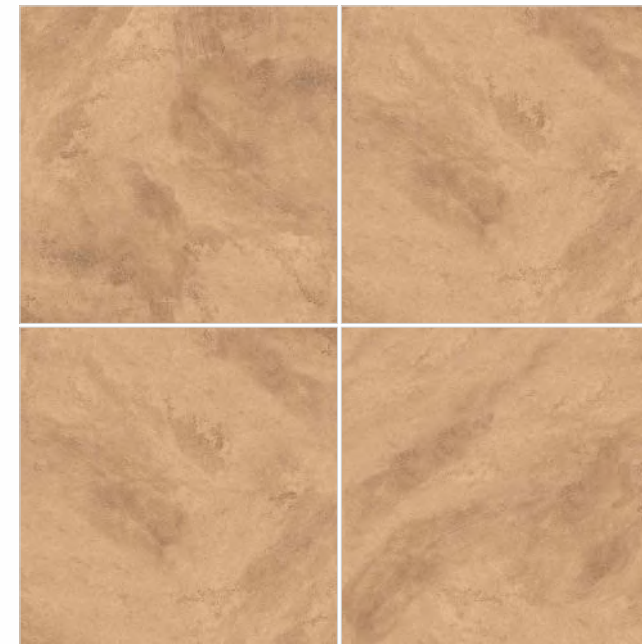
Eterno Beige



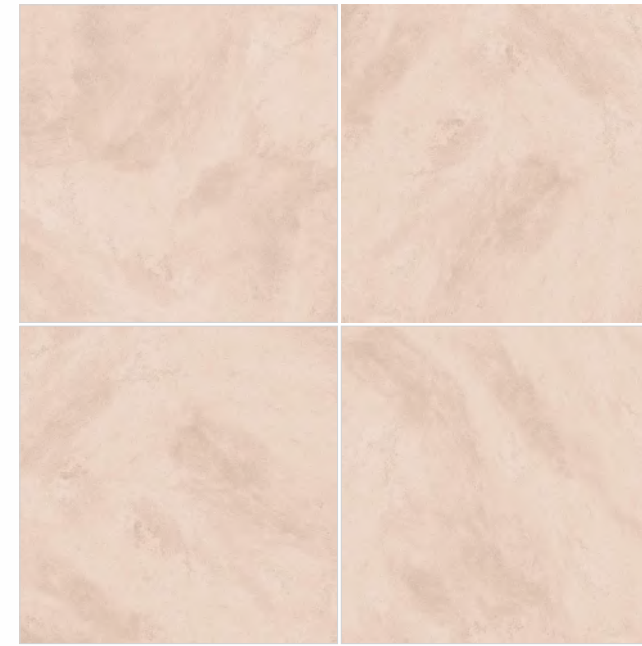
Eterno Decor-4



Mysty Smoke



Eterno Caramel



Eterno Sand



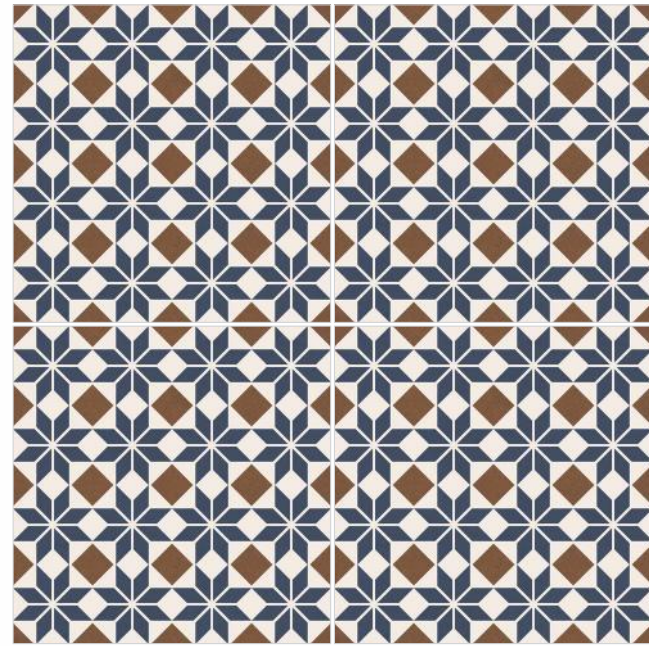
Eterno Decor-2



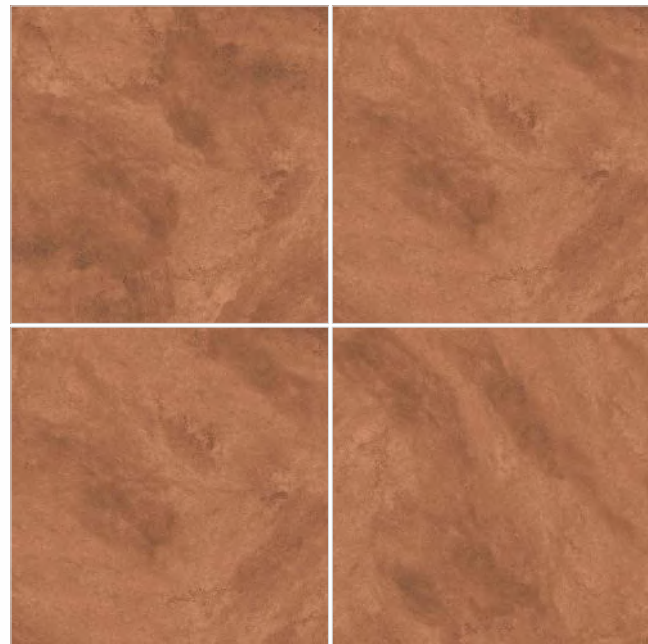
Eterno Bronze



Eterno Crema

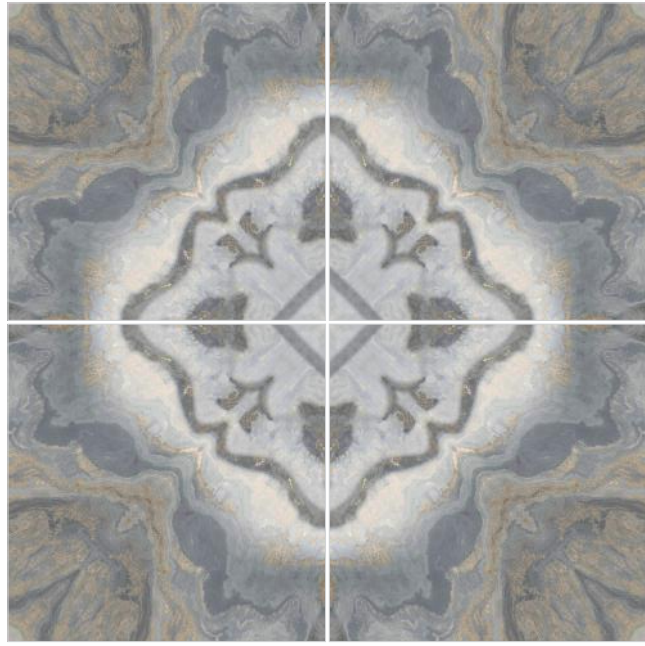


Eterno Decor-5

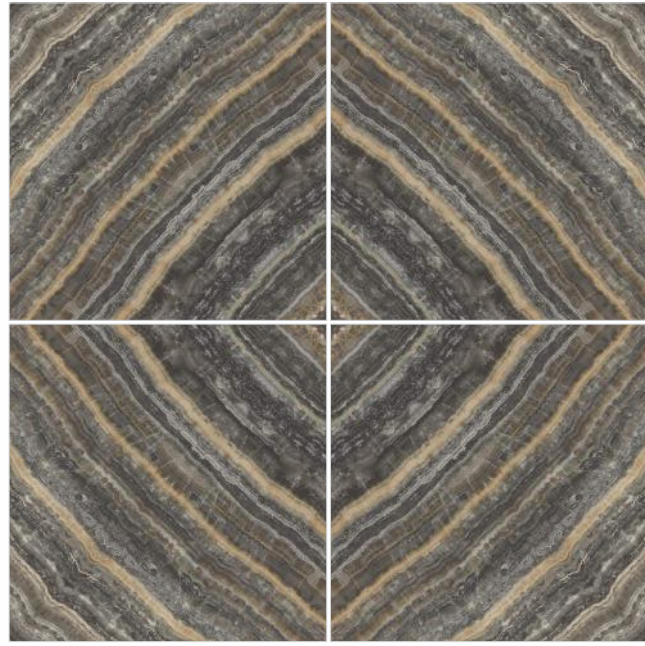


Eterno Brown

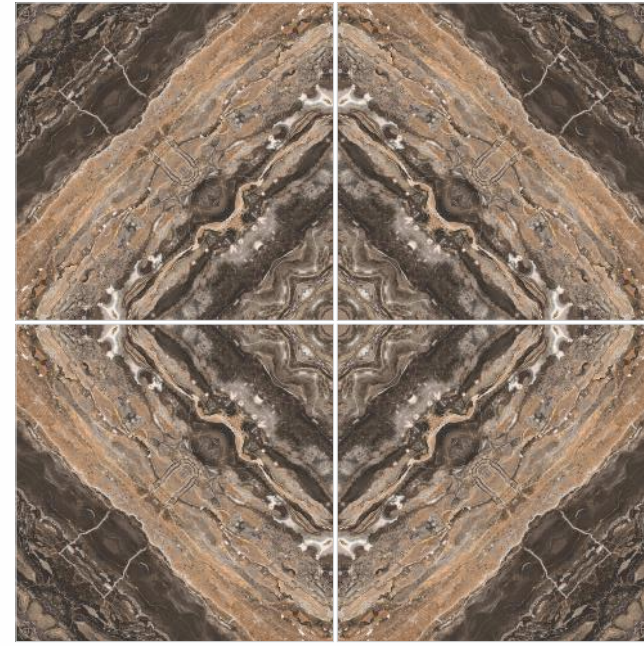




Intero Blue



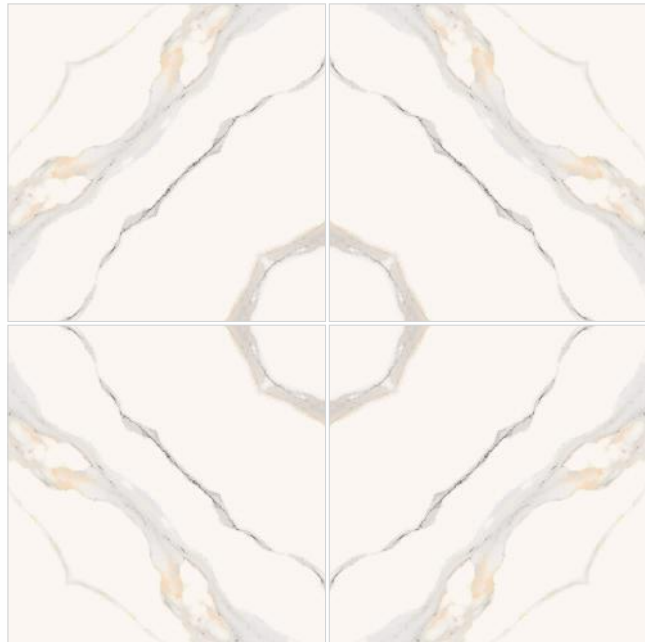
Elegant Grey



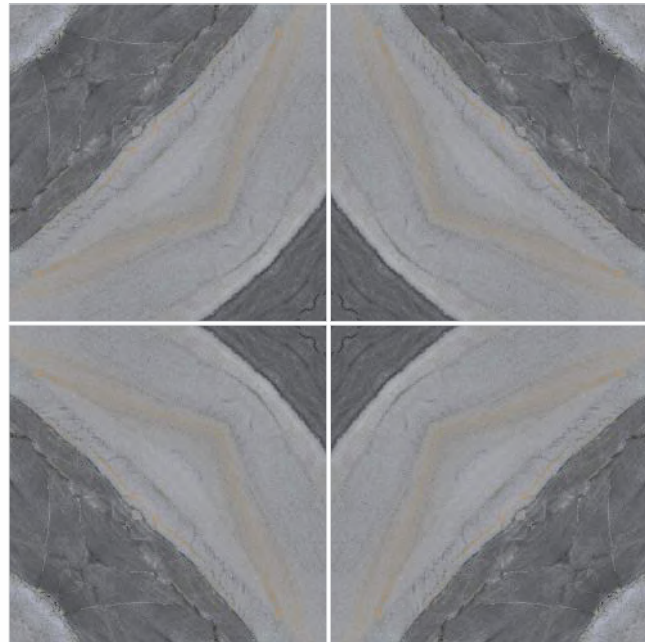
Jubilant Brown



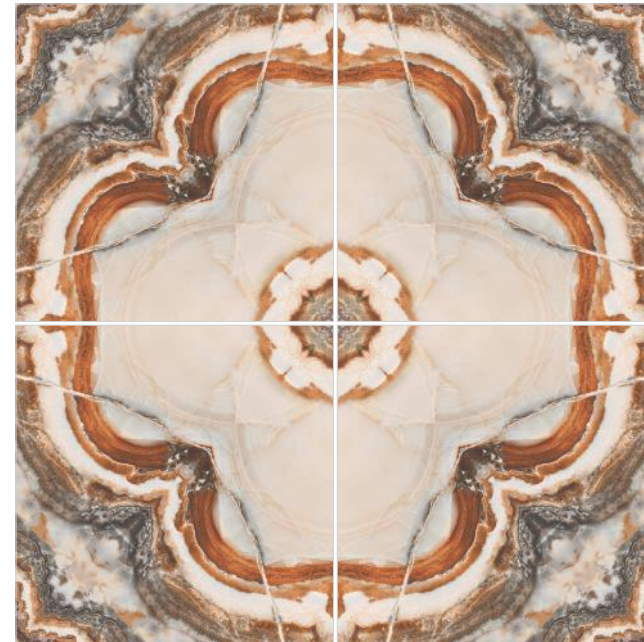
Gloom Grey



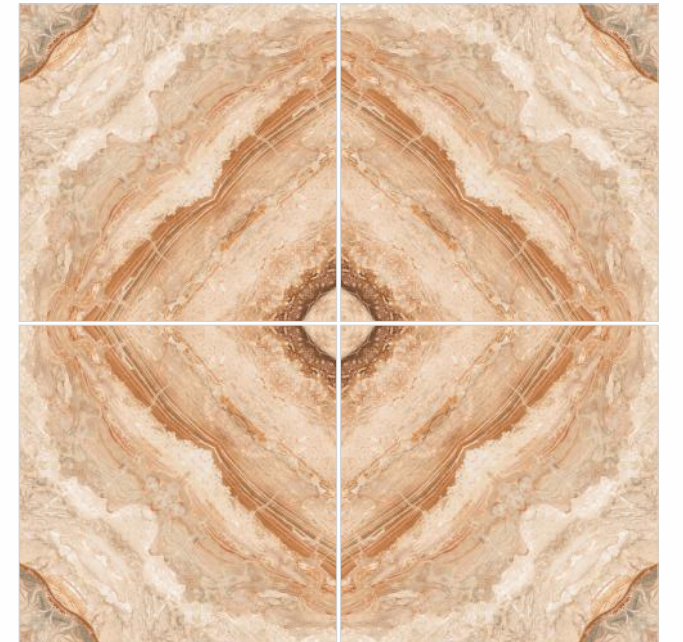
Soft Spark



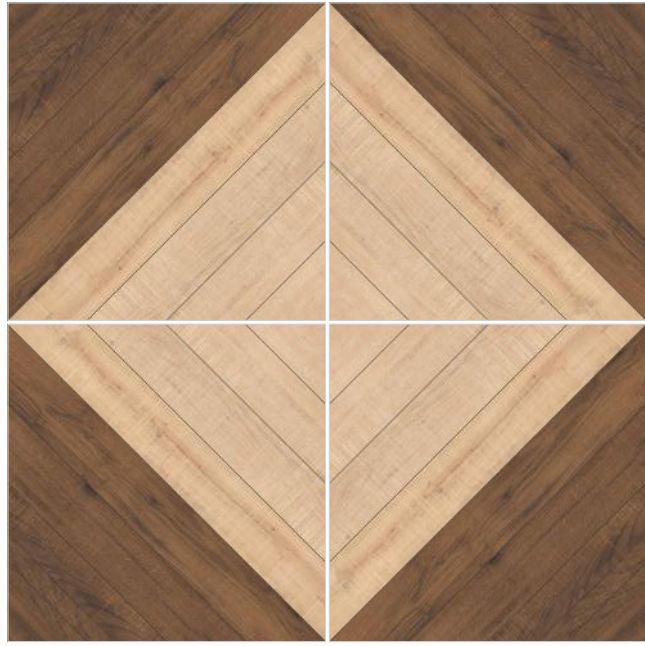
Avio Grey



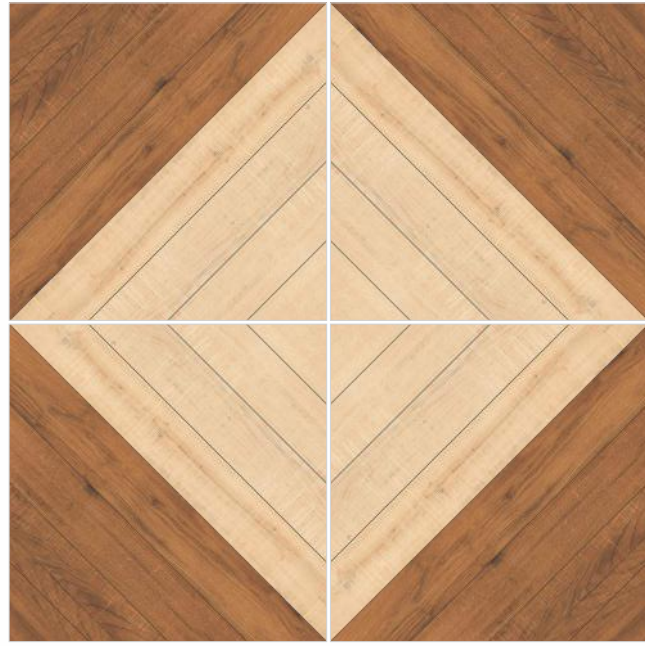
Intero Brown



Gloom Brown



Cross Wood Wenge



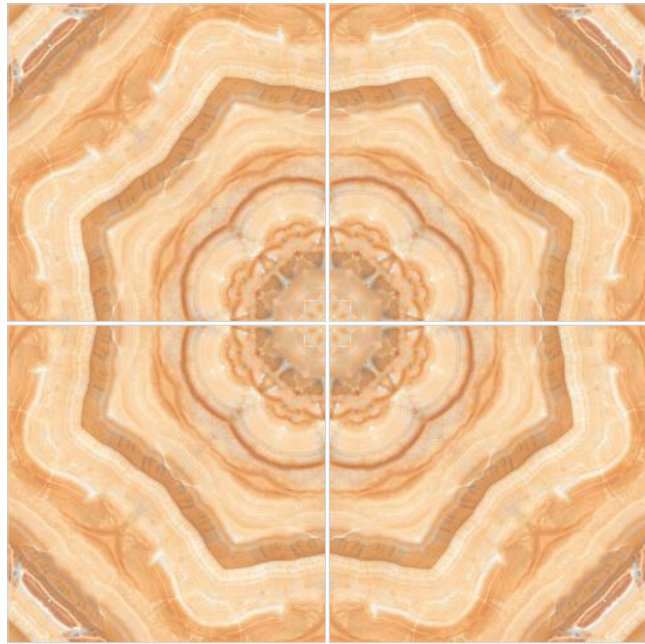
Cross Wood Brown



Wengul Wood



Terra Brown



Flower Spark



Coster Wenge



Dark Walnut



Apple Wood Brown



Aster Wood



Vein Bruno



Aspano Light



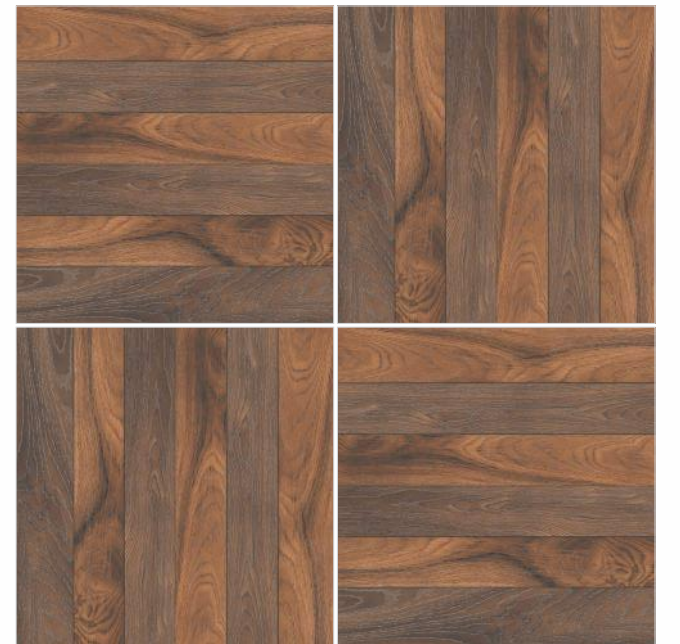
Alpine Wood



Puritan Brown



Vein Grey



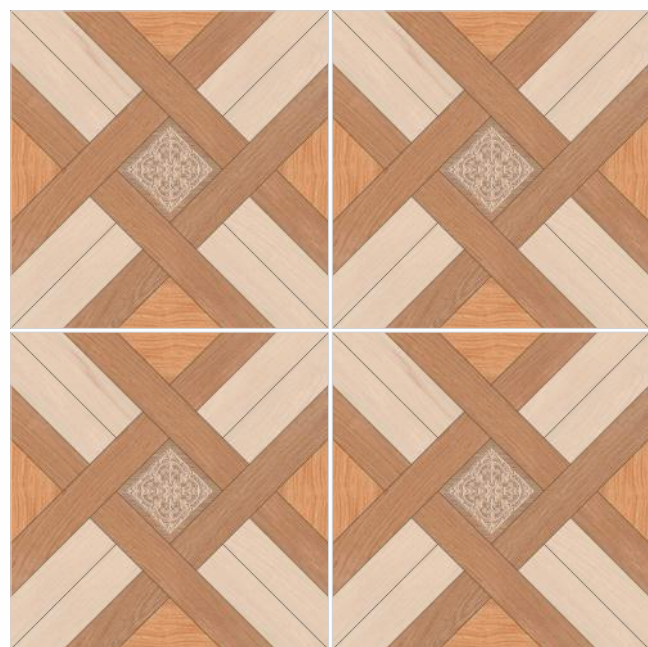
Aspano Dark



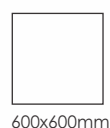
Aster Wood Decor-1



Aster Wood Decor-2



Alpine Wood Decor



Technical Specification

CHARACTERISTIC	STANDARD AS PER ISO13006:2018/ EN14411 Gr.BIIa	TEST METHOD	STANDARD AS PER IS15622:2017 Gr.BIIa	TEST METHOD	MEAN VALUE OF SIMPOLO
Regulatory Properties					
Deviation in length and width	± 0.30 % (± 1.00mm)	ISO 10545-2	± 0.10 %	IS 13630-1	± 0.10 %
Deviation in thickness	± 5.00 % (± 0.50mm)	ISO 10545-2	± 5.00 %	IS 13630-1	± 4.00 %
Straightness in side	± 0.30 % (± 0.80mm)	ISO 10545-2	± 0.10 %	IS 13630-1	± 0.10 %
Rectangularity	± 0.30 % (± 1.50mm)	ISO 10545-2	± 0.10%	IS 13630-1	± 0.10 %
Surface flatness Central Curvature	± 0.40 % (± 1.80mm)	ISO 10545-2	± 0.50 %	IS 13630-1	± 0.10 %
Surface flatness Edge Curvature	± 0.40 % (± 1.80mm)	ISO 10545-2	± 0.50 %	IS 13630-1	± 0.10 %
Surface flatness Warpage	± 0.40 % (± 1.80mm)	ISO 10545-2	± 0.50 %	IS 13630-1	± 0.10 %
Surface Quality	> 95% defects free	ISO 10545-2	> 95% defects free	IS 13630-1	> 95% defects free
Small Color Difference	ΔE < 0.75	ISO 10545-16	N.A.	N.A	ΔE < 0.30
Glossiness (With Nano Polished)	As per Manufacturer	Gloss Meter 60°	As per Manufacturer	Gloss Meter 60°	> 90**
Glossiness (Without Polished)	As per Manufacturer	Gloss Meter 60°	As per Manufacturer	Gloss Meter 60°	7° < GLOSS < 14°*
Glossiness (Satin)	As per Manufacturer	Gloss Meter 60°	As per Manufacturer	Gloss Meter 60°	15° < GLOSS < 25°*
Structural Properties					
Water absorption	3% < E _v ≤ 6 %	ISO 10545-3	3% < E ≤ 6 %	IS 13630-2	3% < E ≤ 6 %
Massive Mechanical Properties					
Modulus of rupture	Min. 22.0 N/mm ²	ISO 10545-4	Min. 22.0 N/mm ²	IS 13630-6	Min. 25.0 N/mm ²
Breaking strength thickness <7.5	Min. 600.0 N	ISO 10545-4	Min. 600.0 N	IS 13630-6	Min. 800.0 N
Breaking strength thickness ≥7.5	Min. 1000.0 N	ISO 10545-4	Min. 1000.0 N	IS 13630-6	Min. 1200.0 N
Surface Mechanical Properties					
MOH'S hardness	As per Manufacturer	BS EN 15771:2010	Min. 4	IS 13630-13	Min 4**
Surface abrasion resistance-Glossy #	As per Manufacturer	ISO 10545-7	Min. Class II	IS 13630-11	Min. Class 2 / Min. Class II
Surface abrasion resistance-Matt #	As per Manufacturer	ISO 10545-7	Min. Class II	IS 13630-11	Min. Class 3 / Min. Class II
Thermal Hygrometric Properties					
Moisture expansion	Max. 0.06%(0.6mm/m)	ISO 10545-10	Max. 0.03mm/m	IS 13630-3	NIL
Thermal expansion(COE) at 100°C	As per Manufacturer	ISO 10545-8	Max. 9.0 x 10 ⁻⁴	IS 13630-4	Max. 8.5 x 10 ⁻⁴
Thermal shock resistance	Min. 10 Cycle	ISO 10545-9	Min. 10 Cycle	IS 13630-5	Min. 10 Cycle
Crazing Resistance at (ISO 500±20 kPa-159°C±1°C) / (IS 750±20 kPa-168°C±1°C)	As per Manufacturer	ISO 10545-11	Min. 4 Cycle	IS 13630-9	Min. 6 Cycle
Impact resistance(COR)	Min 0.55	ISO 10545-5	Min. 0.55	IS 13630-14	Min. 0.55
Frost resistance	As per Manufacturer	ISO 10545-12	As per Manufacturer	IS 13630-10	Frost Proof
Chemical Properties					
Resistance to Staining Glazed	Min. Class 3	ISO 10545-14	Min. Class I	IS 13630-8	Min. Class 4/Min. Class I
Resistance to Household Chemicals &Swimming Pool Salts Glazed	Min. Class GB	ISO 10545-13	Min. Class AA	IS 13630-8	Min. Class GA/Min. Class AA
Resistance to Low Concentrate Acidand Alkalis Glazed	As per Manufacturer	ISO 10545-13	As per Manufacturer	IS 13630-8	Min. Class GLB*/Min. Class A***
Resistance to High Concentrate Acidand Alkalis Glazed	As per Manufacturer	ISO 10545-13	As per Manufacturer	IS 13630-8	Min. Class GHB*/Min. Class A***
Safety Properties					
Skid resistance(DCOF-DRY) ##	As per Manufacturer	ANSI/NFSI B101.3-2012	As per Manufacturer	ISO 10545-17	> 0.30
Slip resistance(DCOF)(R value)##	As per Manufacturer	DIN 51130	As per Manufacturer	ISO 10545-17	N.A.
Determination of Lead & Cadmium Release for Glazed Tiles	As per Manufacturer	ISO 10545-15	N.A.	ISO 10545-15	Dose not yield Pb & Cd
Fire Resistance	As per Manufacturer	N.A.	As per Manufacturer	N.A.	Fire Proof

* Glossiness 90% with nano technology
 ** Without nano technology (Polished Vitrified tiles)
 Depending on Application Area (Low or high intensity of traffic)
 *** Except Hydrofluoric Acid & it's compound
 # Glaze tiles Intended for use on floor
 ## As per customer requirement

Packing Details

PRODUCT	SIZE	THICKNESS	TILES / BOX	COVERAGE AREA / BOX
TERRA DURO	600x600mm / 60x60cm	9mm	4 pcs.	1.44 sq. mtr. 15.50 sq. ft.