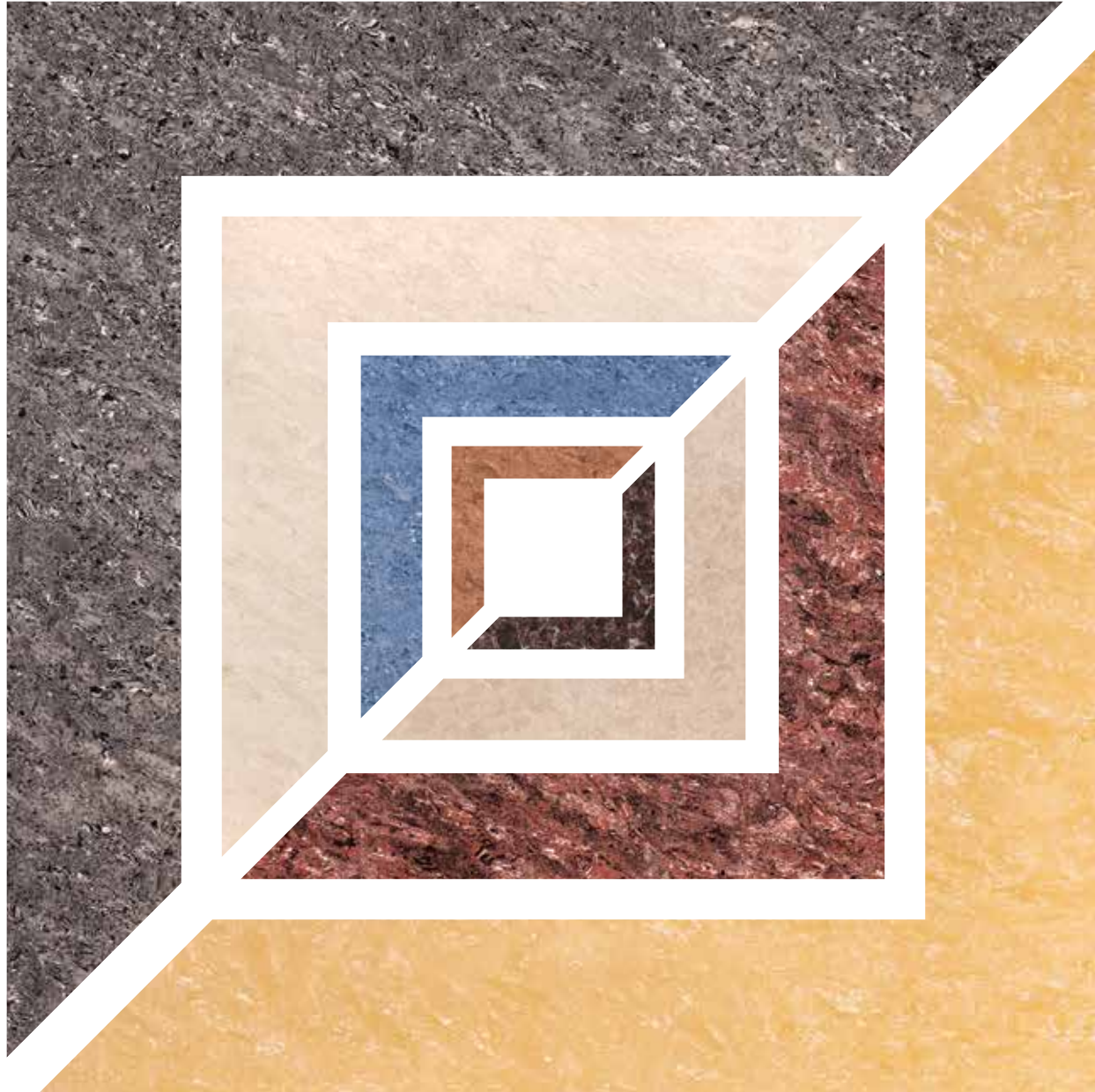


DOUBLE
CHARGE
Porcelain Tiles

BY



AKIJ CERAMICS
Promise of Perfection



DOUBLE CHARGE Features:

- Vitrified Tiles with 2-3mm thickness of mirror polished top layer.
- Design is not printed but comes from body color within the top layer after polishing.
- MoH (Measurement of Hardness) is more than glazed vitrified tiles. Hence, durability is better than polished glazed vitrified tiles (PGVT).
- There is no chance of visible wear and tear.
- Perfectly crafted for high traffic areas – airports, hotels, shopping malls and apartments etc.
- It provides natural marble look.



6 MATRIX-1



HIGHLY DURABLE



2-3MM THICK TOP LAYER



HIGH-GLOSS FINISH



6 MATRIX-2



HIGHLY DURABLE



2-3MM THICK TOP LAYER



HIGH-GLOSS FINISH



6 MATRIX-3



HIGHLY DURABLE



2-3MM THICK TOP LAYER



HIGH-GLOSS FINISH



6 MATRIX-5



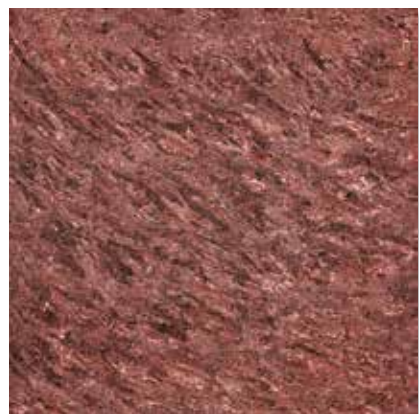
HIGHLY DURABLE



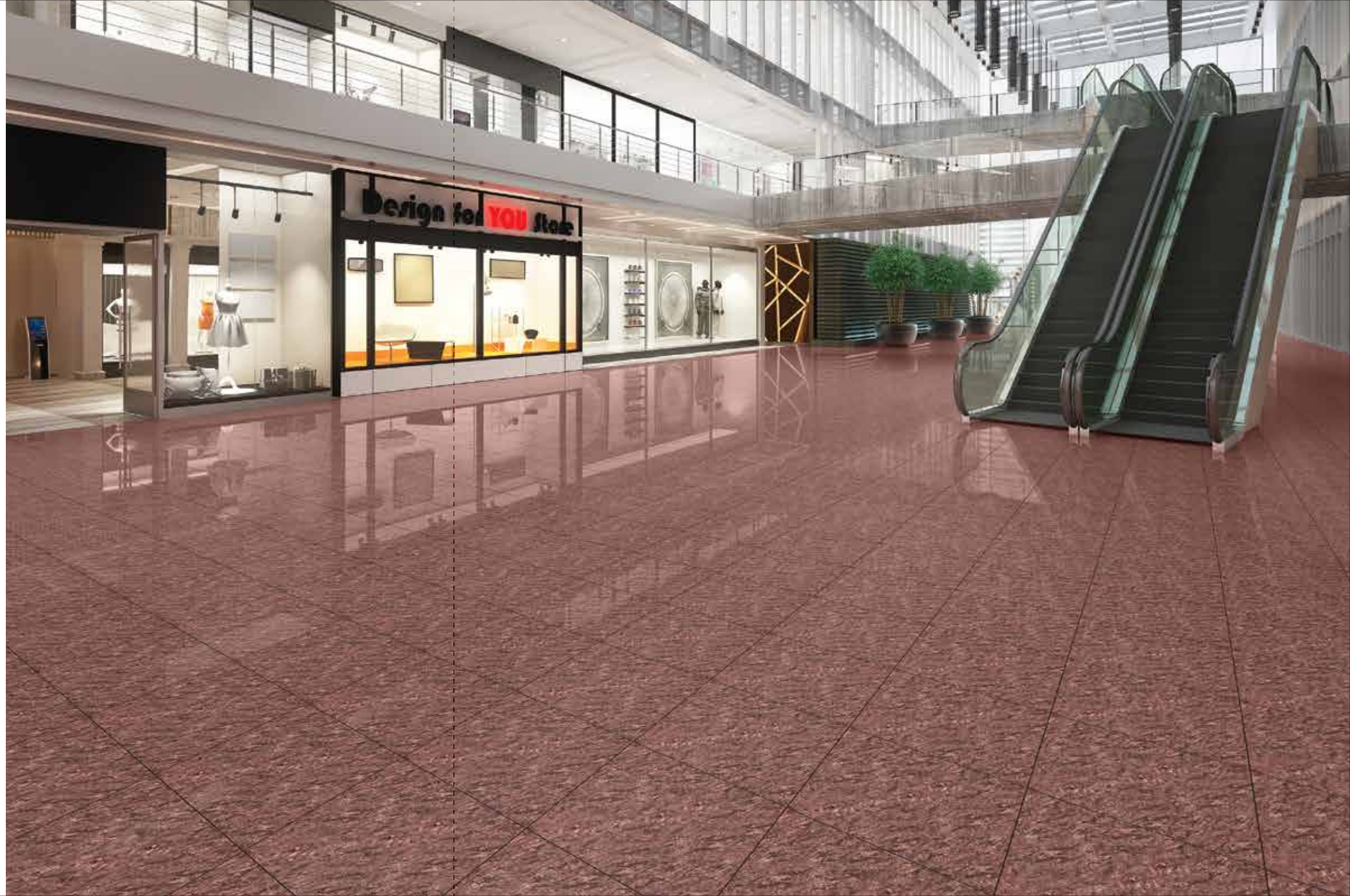
2-3MM THICK TOP LAYER



HIGH-GLOSS FINISH



6 MATRIX-6



HIGHLY DURABLE



2-3MM THICK TOP LAYER



HIGH-GLOSS FINISH



6 MATRIX-7



HIGHLY DURABLE



2-3MM THICK TOP LAYER



HIGH-GLOSS FINISH



6 PULATI-1



HIGHLY DURABLE



2-3MM THICK TOP LAYER



HIGH-GLOSS FINISH



6 PULATI-2



HIGHLY DURABLE



2-3MM THICK TOP LAYER



HIGH-GLOSS FINISH



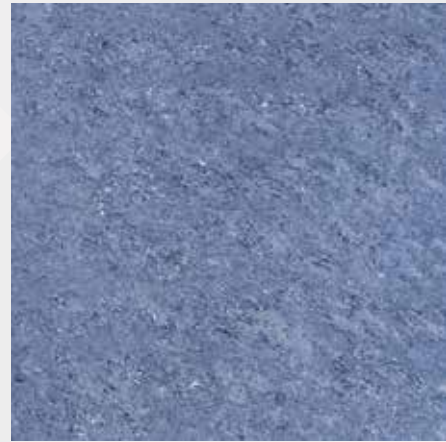
6 MATRIX-1



6 MATRIX-2



6 MATRIX-3



6 MATRIX-5



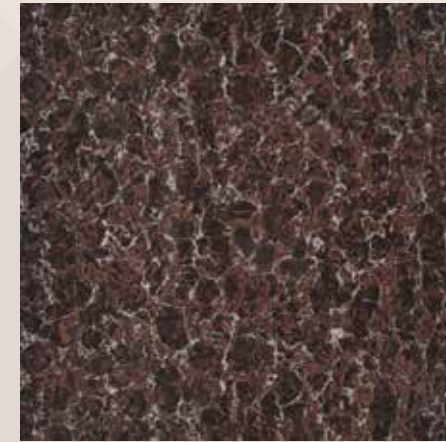
6 MATRIX-6



6 MATRIX-7



6 PULATI-1



6 PULATI-2

TECHNICAL SPECIFICATION

SR. NO.	CHARACTERISTIC	STANDARD AS PER BDS ISO 13006 : 2006 GROUP BIa	VALUES DECLARED BY AKIJ CERAMICS	TEST METHOD
A. REGULATORY PROPERTIES				
1	DEVIATION IN LENGTH & WIDTH	±0.5%	±0.1%	ISO-10545-2
2	DEVIATION IN THICKNESS	±5.0%	±4.0%	ISO-10545-2
3	STRAIGHTNESS OF SIDES	±0.5%	±0.1%	ISO-10545-2
4	RECTANGULARITY	±0.5%	±0.2%	ISO-10545-2
5	SURFACE FLATNESS	±0.5%	±0.2%	ISO-10545-2
6	COLOR DIFFERENCES	UNALTERED	NO CHANGE	ISO-10545-2
7	GLOSSINESS	AS PER MANUFACTURER	MIN 90%	GLOSS METER
B. STRUCTURAL PROPERTIES				
1	WATER ABSORPTION	≤ 0.5%	< 0.1%	ISO-10545-3
2	APPARENT DENSITY	> 2.0gm/cc	>2.28 gm/cc	DIN 51082
C. MASSIVE MECHANICAL PROPERTIES				
1	FLEXURAL MODULUS OF RUPTURE	MIN 35 N/mm ²	MIN 40N/mm ²	ISO-10545-4
2	FLEXURAL BREAKING STRENGTH	MIN 1300 N	MIN 2000 N	ISO-10545-4
3	IMPACT RESISTANCE	AS PER MANUFACTURER	MIN 0.55	ISO-10545-5
D. SURFACE MECHANICAL PROPERTIES				
1	DEEP ABRASION RESISTANCE	MAX 175 mm ³	MAX 150 mm ³	ISO-10545-6
2	MOH'S HARDNESS	MIN 6	6 MIN	EN101
E. THERMO HYGROMETRIC PROPERTIES				
1	FROST RESISTANCE	NO DAMAGE	NO DAMAGE	ISO-10545-12
2	THERMAL SHOCK RESISTANCE	NO DAMAGE	NO DAMAGE	ISO-10545-9
3	MOISTURE EXPANSION	NIL	NIL	ISO-10545-10
4	THERMAL EXPANSION	MAX 9.0 x 10 ⁻⁶	MAX 6.5 x 10 ⁻⁶	ISO-10545-8
F. CHEMICAL PROPERTIES				
1	CHEMICAL RESISTANCE	NO DAMAGE	NO DAMAGE	ISO-10545-13
2	STAIN RESISTANCE	RESISTANT	RESISTANT	ISO-10545-14
F. SAFETY PROPERTIES				
1	SLIP RESISTANCE (FRICTION COEFFICIENT)	>0.40	>0.42	ISO-10545-17

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 /AKIJCERAMICS

 Akij Ceramics Live Demo

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