



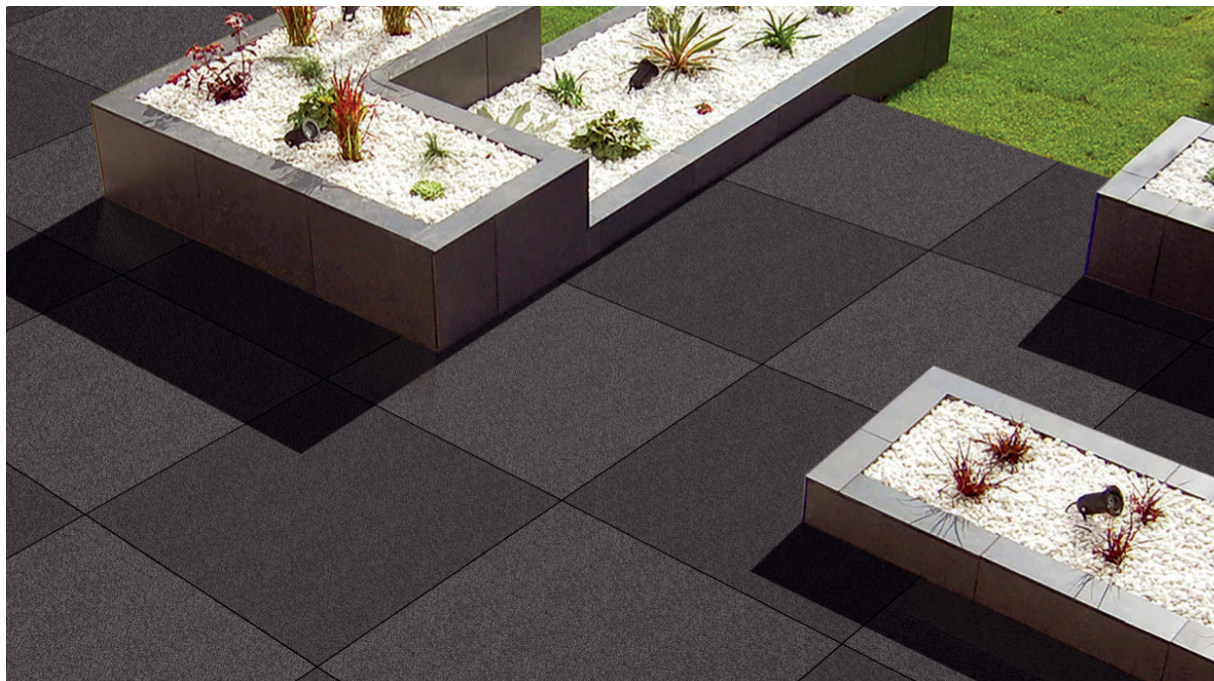
THALAM™
A brand of GIO

300X600MM | 600X600MM | 600X1200MM

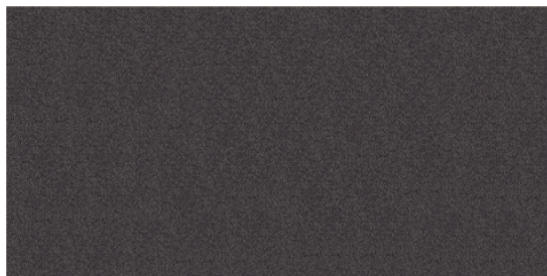
ETHOS SERIES

FULL BODY TILES

POLISHED&MATT FINISH



1200x600mm



NERO

MATT

600x600mm



NERO

POILISHED

600x600mm



NERO

MATT

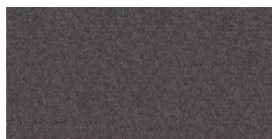
1200x300mm



NERO-STEP

MATT/POLISHED

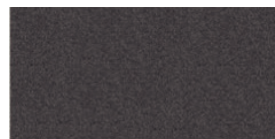
600x300mm



NERO

POILISHED

600x300mm



NERO

MATT

1200x1200mm



NERO-RISER&STRIP

MATT/POLISHED

POLISHED&MATT FINISH



1200x600mm



GREY

MATT

600x600mm



GREY

POILISHED

600x600mm



GREY

MATT

1200x300mm



GREY-STEP

MATT/POLISHED

600x300mm



GREY

POILISHED

600x300mm



GREY

MATT

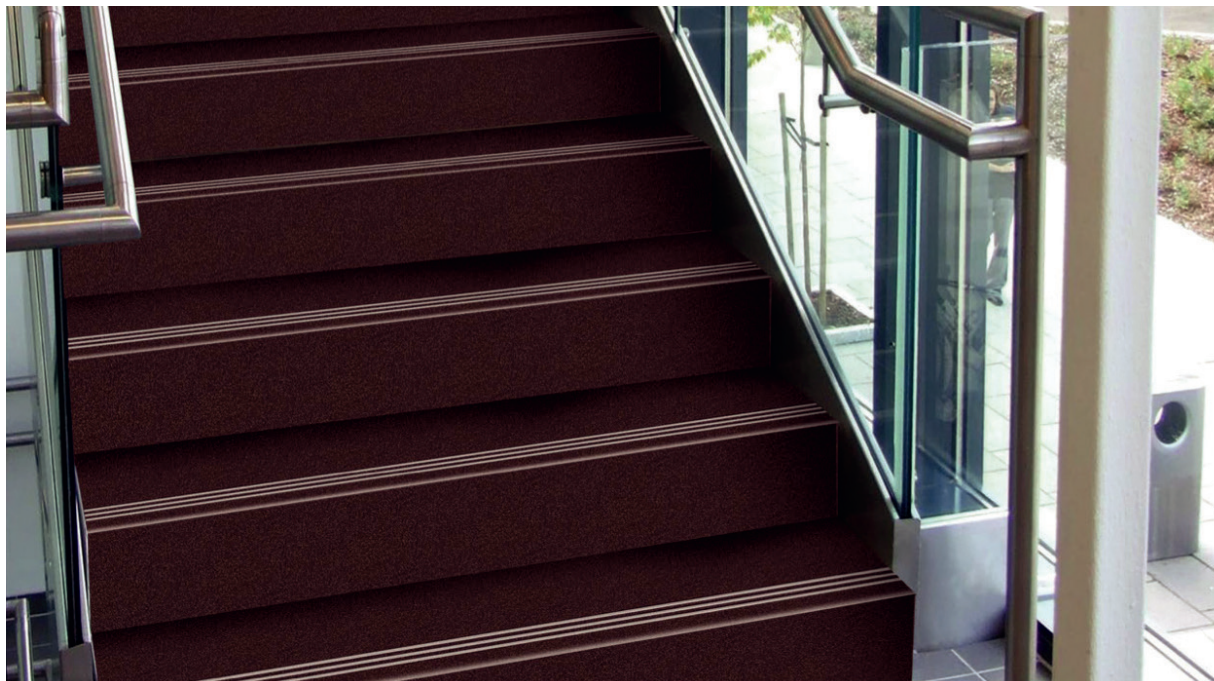
1200x1200mm



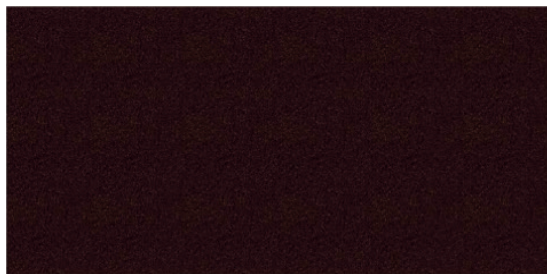
GREY-RISER&STRIP

MATT/POLISHED

POLISHED&MATT FINISH



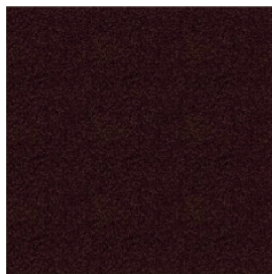
1200x600mm



CHOCO

MATT

600x600mm



CHOCO POLISHED

600x600mm



CHOCO

MATT

1200x300mm



CHOCO-STEP

MATT/POLISHED

600x300mm



CHOCO POLISHED

600x300mm



CHOCO

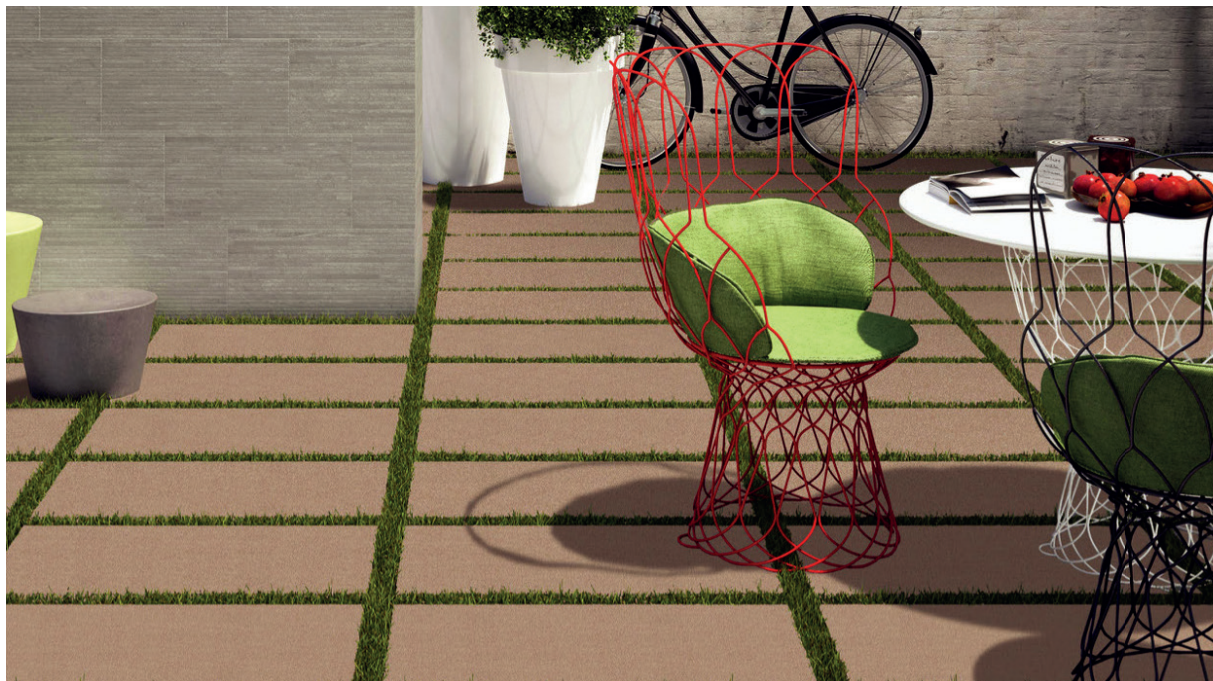
MATT

1200x1200mm



CHOCO-RISER&STRIP MATT/POLISHED

POLISHED&MATT FINISH



1200x600mm



CHOCO

MATT

600x600mm



CHOCO POILISHED

600x600mm



CHOCO

MATT

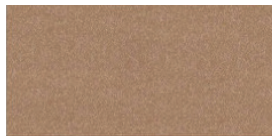
1200x300mm



CHOCO-STEP

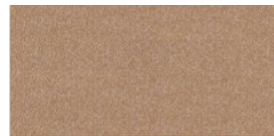
MATT/POLISHED

600x300mm



CHOCO POILISHED

600x300mm



CHOCO

MATT

1200x1200mm

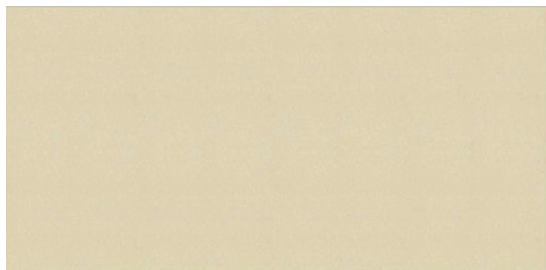


CHOCO-RISER&STRIP MATT/POLISHED

POLISHED&MATT FINISH



1200x600mm



CREMA

MATT

600x600mm



CREMA POILISHED

600x600mm



CREMA MATT

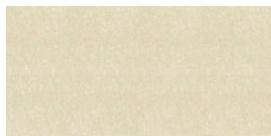
1200x300mm



CREMA-STEP

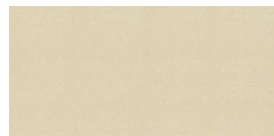
MATT/POLISHED

600x300mm



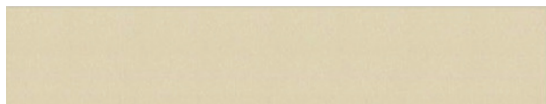
CREMA POILISHED

600x300mm



CREMA MATT

1200x1200mm

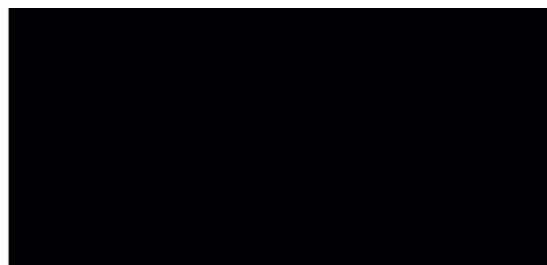


CREMA-RISER&STRIP MATT/POLISHED

POLISHED&MATT FINISH



1200x600mm



BLACK

MATT

600x600mm



BLACK POILISHED

600x600mm



BLACK

MATT

1200x300mm



BLACK-STEP

MATT/POLISHED

600x300mm



BLACK POILISHED

600x300mm



BLACK

MATT

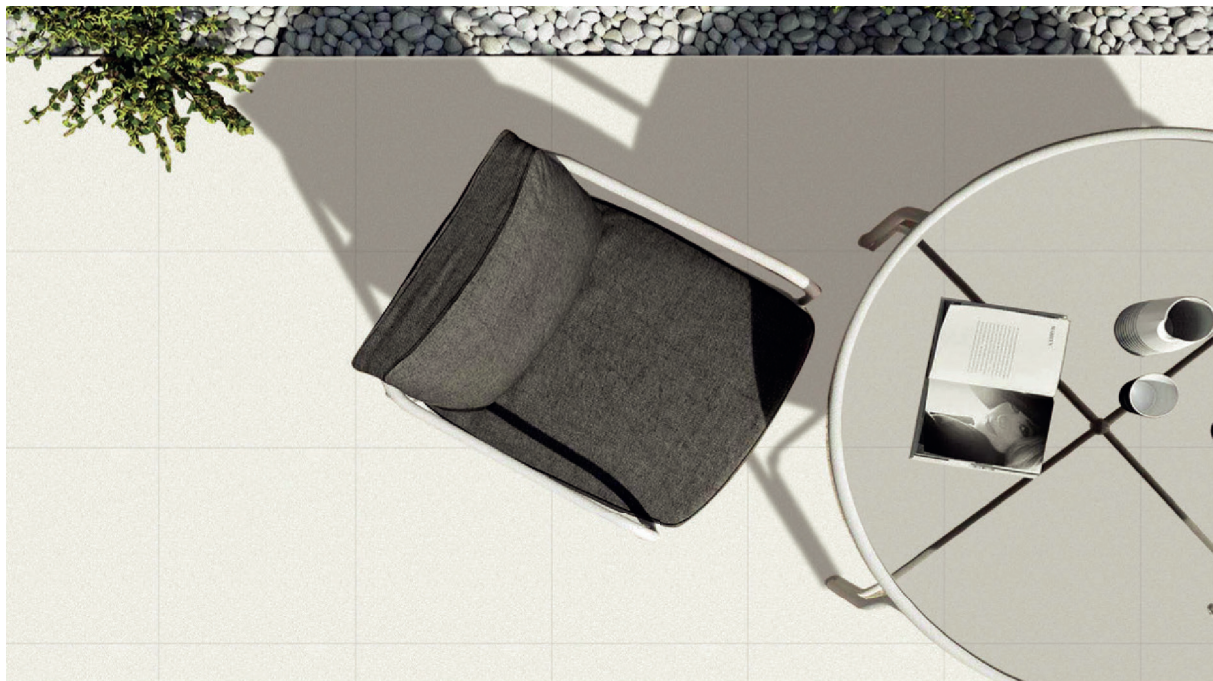
1200x1200mm



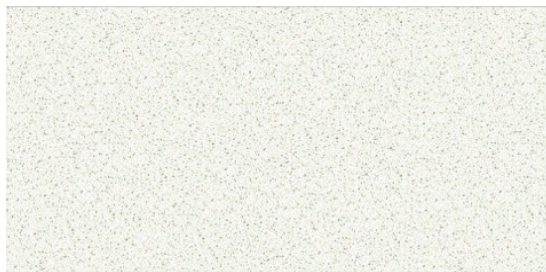
BLACK-RISER&STRIP

MATT/POLISHED

POLISHED&MATT FINISH



1200x600mm



QUARTZ

MATT

600x600mm



QUARTZ POILISHED

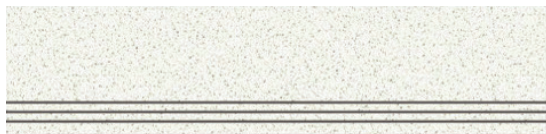
600x600mm



QUARTZ

MATT

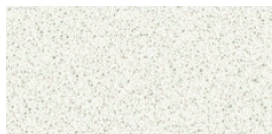
1200x300mm



QUARTZ-STEP

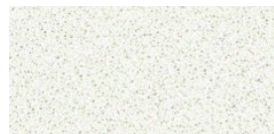
MATT/POLISHED

600x300mm



QUARTZ POILISHED

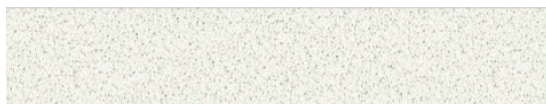
600x300mm



QUARTZ

MATT

1200x1200mm

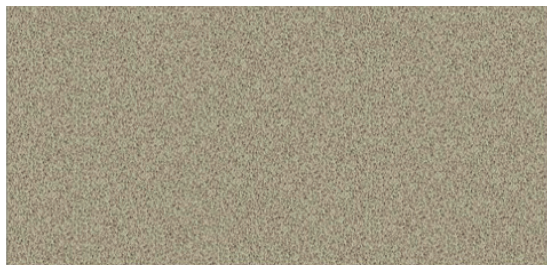


QUARTZ-RISER&STRIP MATT/POLISHED

POLISHED&MATT FINISH



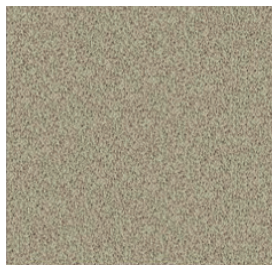
1200x600mm



KOTA

MATT

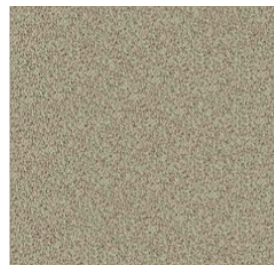
600x600mm



KOTA

POILISHED

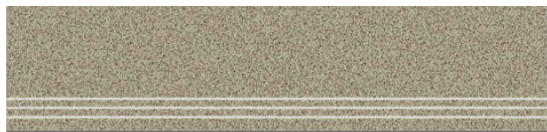
600x600mm



KOTA

MATT

1200x300mm



KOTA-STEP

MATT/POLISHED

600x300mm



KOTA

POILISHED

600x300mm



KOTA

MATT

1200x1200mm



KOTA-RISER&STRIP

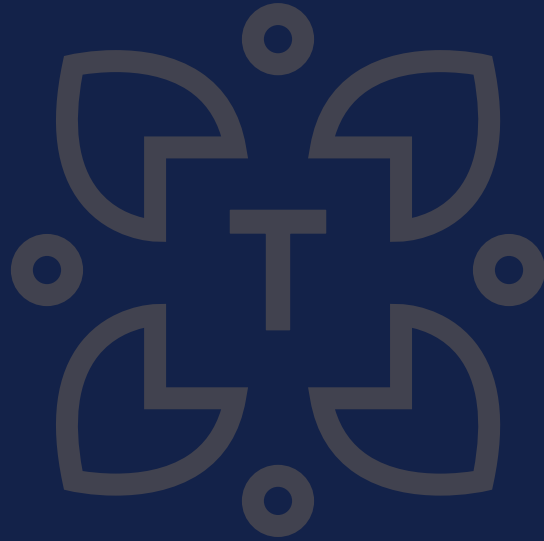
MATT/POLISHED

THALAM VITRIFIED TILES SPECIFICATION

CHARACTERISTICS	BIS STANDARD IS 15622:2007	THALAM VITRIFIED GVT/PGVT	TEST MENTHOD
DIMENSION & SURFACE QUALITY			
Deviation in Size	0.10%	±0.5mm	IS 13630-1
Deviation in Thickness	5.0%	±0.3mm	IS 13630-1
Straightness of Sides	0.10%	±1mm	IS 13630-1
Rectangularity	0.10%	±1.2mm	IS 13630-1
Surface Flatness			
Center Curvature	0.50%	±0.7mm	IS 13630-1
Edge Curvature	0.50%	±0.7mm	IS 13630-1
Warpage	0.50%	±0.7mm	IS 13630-1
Surface Quality	Min. 95%	Min. 92%	IS 13630-1
Glossiness(PGVT)		> 90% Reflection	Glossy Meter
PHYSICAL PROPERTY			
Bulk Density	2.2 g/cc	> 2.2 g/cc	IS 13630-2
Water Absorption	Avg ≤ 0.08% / Local Max 0.1%	≥0.07%	IS 13630-2
Breaking Strength	> 1300 N	> 1425 N	IS 13630-6
Modulus of Rupture	Avg 35 / Local min 32	40 N/mm?	IS 13630-6
Resistance to surface abrasion	Min Class II	Min Class III	IS 13630-11
Resistance to deep abrasion	Max 140 mm}	Max 130 mm?	IS 13630-11
Coefficient of Thermal Expansion	Max 6 X 10 ⁶	Comply	IS 13630-12
Thermal Shock Resistance	Min 10 Cycle	No Damage	IS 13630-4
Crazing Resistance	Min 4 Cycle @ 7.5 bar	Min 4 Cycles	IS 13630-5
Frost Resistance	Required	Comply	IS 13630-9
Moisture Expansion	0.02 mm/m	Nil	IS 13630-10
Color Difference		No Change	IS 13630-3
Impact Resistance	Min 0.55	Resistance	IS 13630-14
Coefficient of Friction (Slipperiness Factor)	Company Declared	<0.5	IS 13630-10
MOHS Hardness	Min.5	Matt<5	IS 13630-13
CHEMICAL PROPERTY			
Stain Resistance	Glazed - Min Class 1 UnGlazed - Min Class 2	Min. Class - 3	
Resistance to Chemicals			
Low Concentration	Glazed - Class AA Unglazed - Required	HCL(L) - GLB KOH-GLS Citric Acis-GB	IS 13630-7 IS 13630-8
High Concentration	Required	GLC	IS 13630-7
Household Chemicals	Glazed - Class AA Unglazed - Required	GA	IS 13630-8 IS 13630-7

FULL BODY PACKING DETAILS

SIZE	THICKNESS (APPROX)	TILES PER BOX	COVERAGE AREA PER BOX(APPROX)	WT.OF BOX (APPROX)
600X1200mm	10.0mm	2Pcs.	1.44 Sq.m.	31.0 kgs.
600X600mm	8.5mm	4Pcs.	1.44 Sq.m.	28.0 kgs.
300X600mm	8.5mm	5Pcs.	0.90 Sq.m.	17.5 kgs.
298x1200mm (STEPS)	10.0mm	3Pcs.	1.07 Sq.m.	24.0kgs.
198x1200mm (STRIP & RISER)	10.0mm	3Pcs.	0.71 Sq.m.	16.0kgs.



THALAM™
A brand of GIO

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