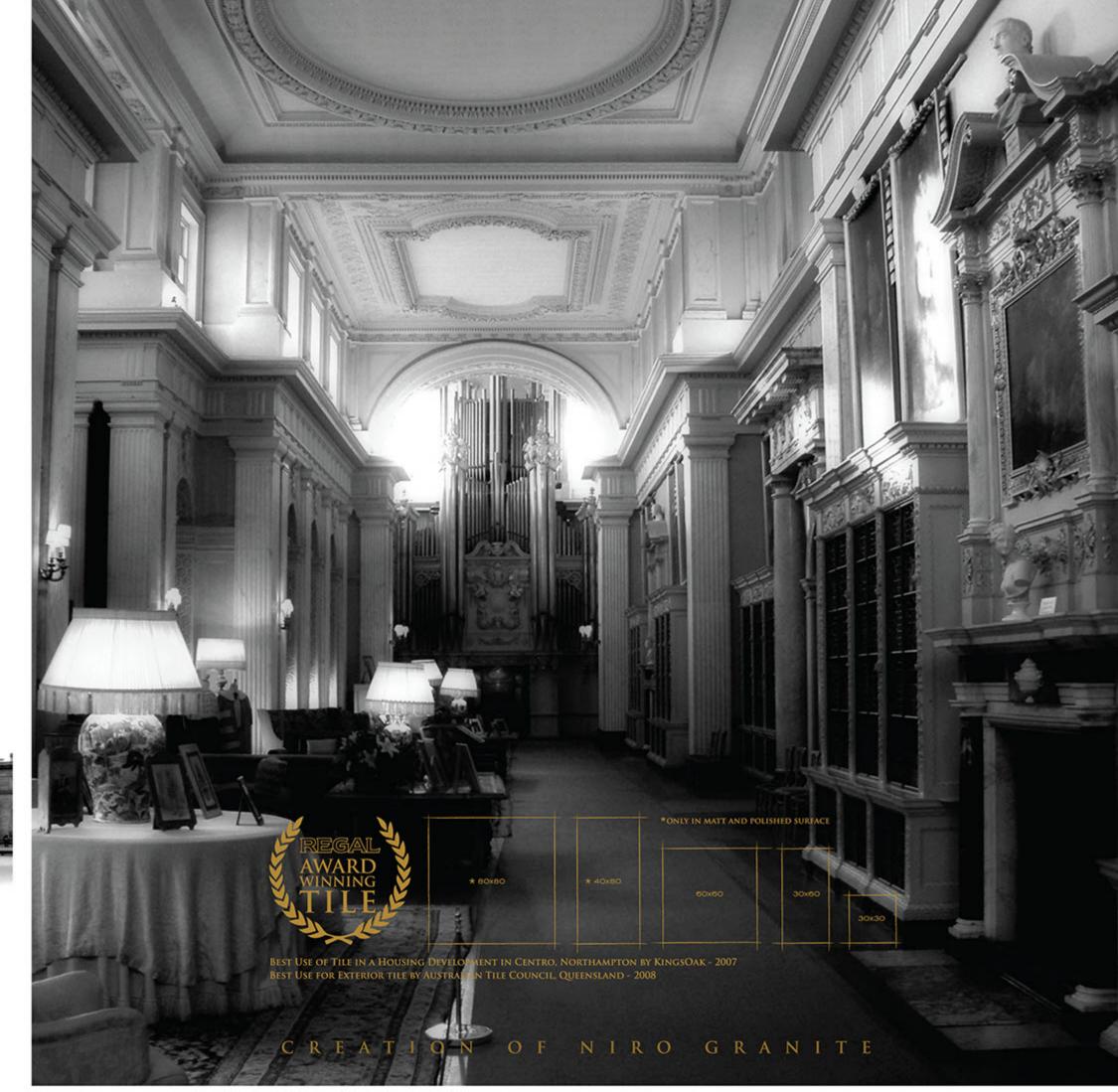


CREATION OF NIRO GRANITE





A NEW GENERATION OF REVOLUTIONARY VITRIFIED PORCELAIN TILES PRODUCED USING A SPECIAL TECHINIQUE HAS RESULTED TO THE BIRTH OF THE REGAL SERIES. IT IS A NEW COLLECTION OF PREMIUM TILES WITH RANDOM EFFECTS PRODUCED ON POLISHED, MATT AND ROCK SURFACE. THIS NEW TECHNOLOGY AND AESTHETIC TASTE ARE WISELY COMBINED TO CREATE LIVING SPACE HARMONY WITH A LEADING-EDGE ARCHITECTURE AND INNOVATIVE INTERIOR DESIGN.





GMR81 LIGHT GREY

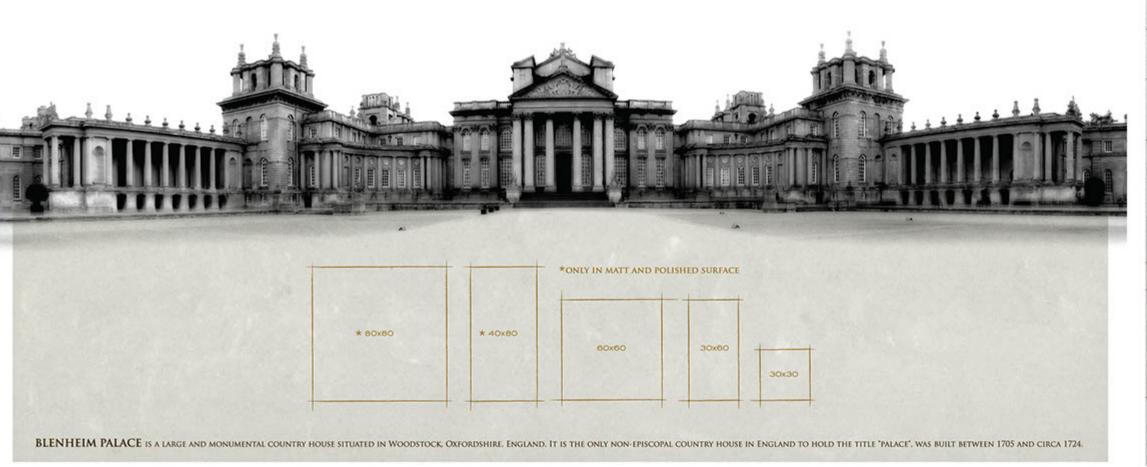






POLISHED SURFACE

STRUCTURED SURFACE







GMR82 GREY



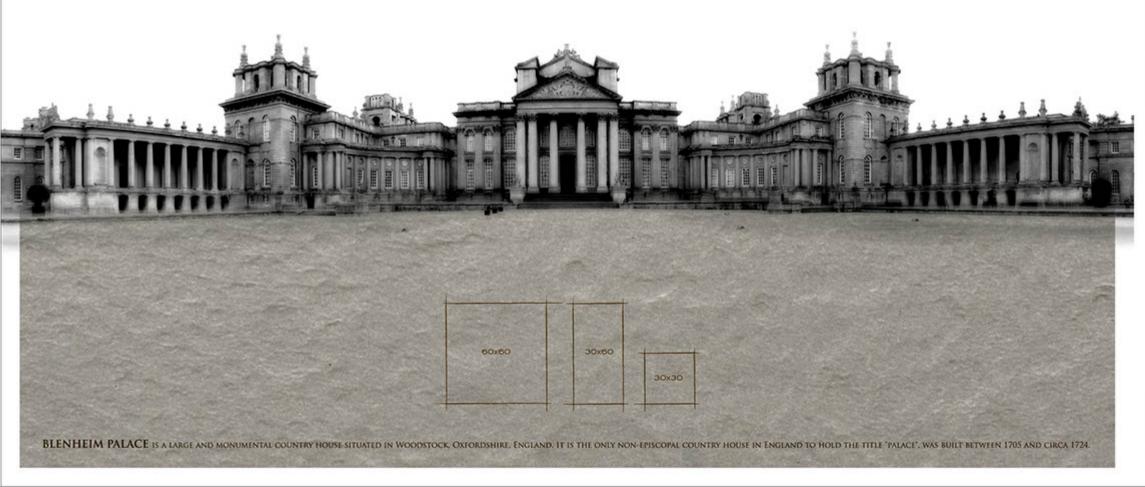




POLISHED SURFACE

MATT SURFACE

STRUCTURED SURFACE







GMR83 VANILLA

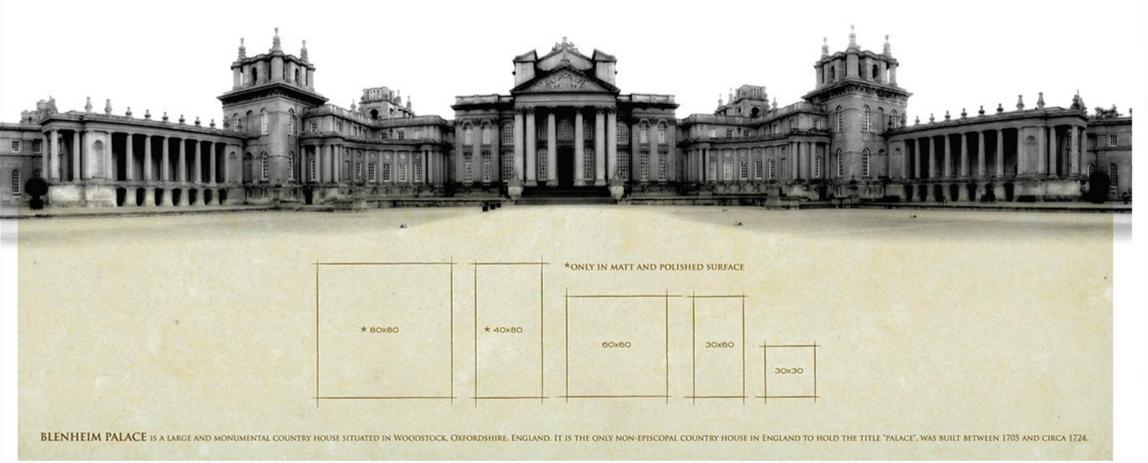






POLISHED SURFACE

STRUCTURED SURFACE







GMR85 NOCE





POLISHED SURFACE

MATT SURFACE







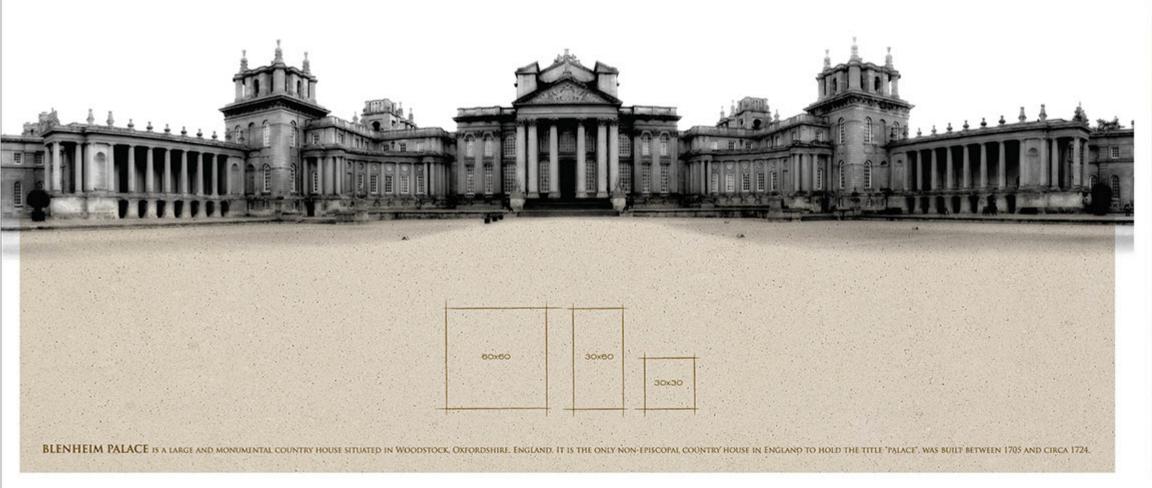
GMR88 SAND





POLISHED SURFACE

MATT SURFACE







GMR90 ALMOND





POLISHED SURFACE

MATT SURFACE







GMR94 OLIVE





POLISHED SURFACE

MATT SURFACE







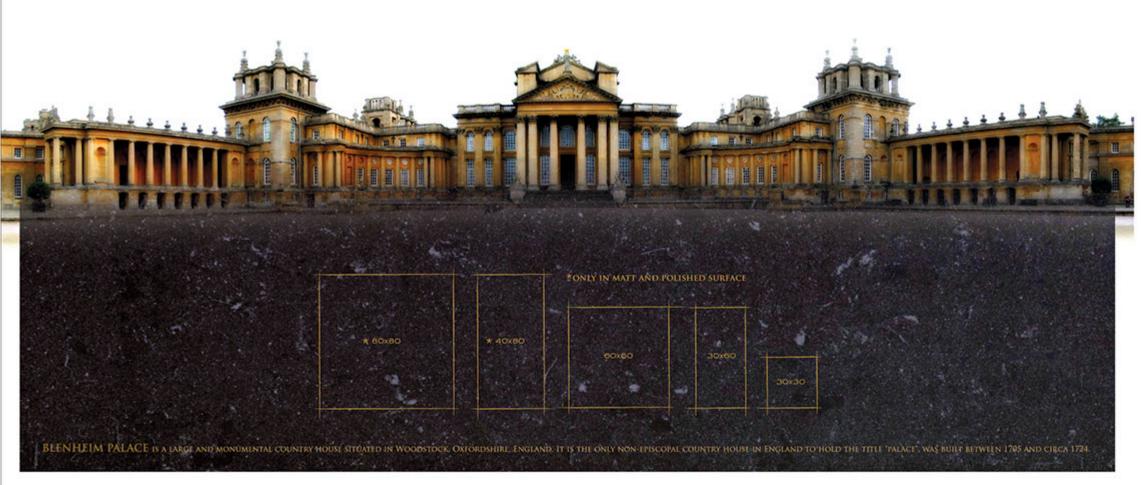
GMR97 BLACK





POLISHED SURFACE

MATT SURFACE







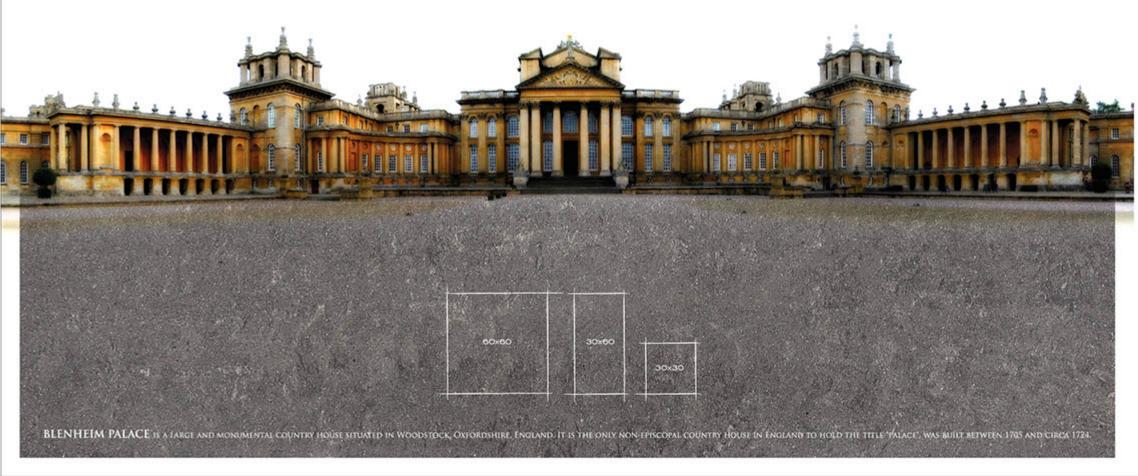
GMR98 ANTRACITE

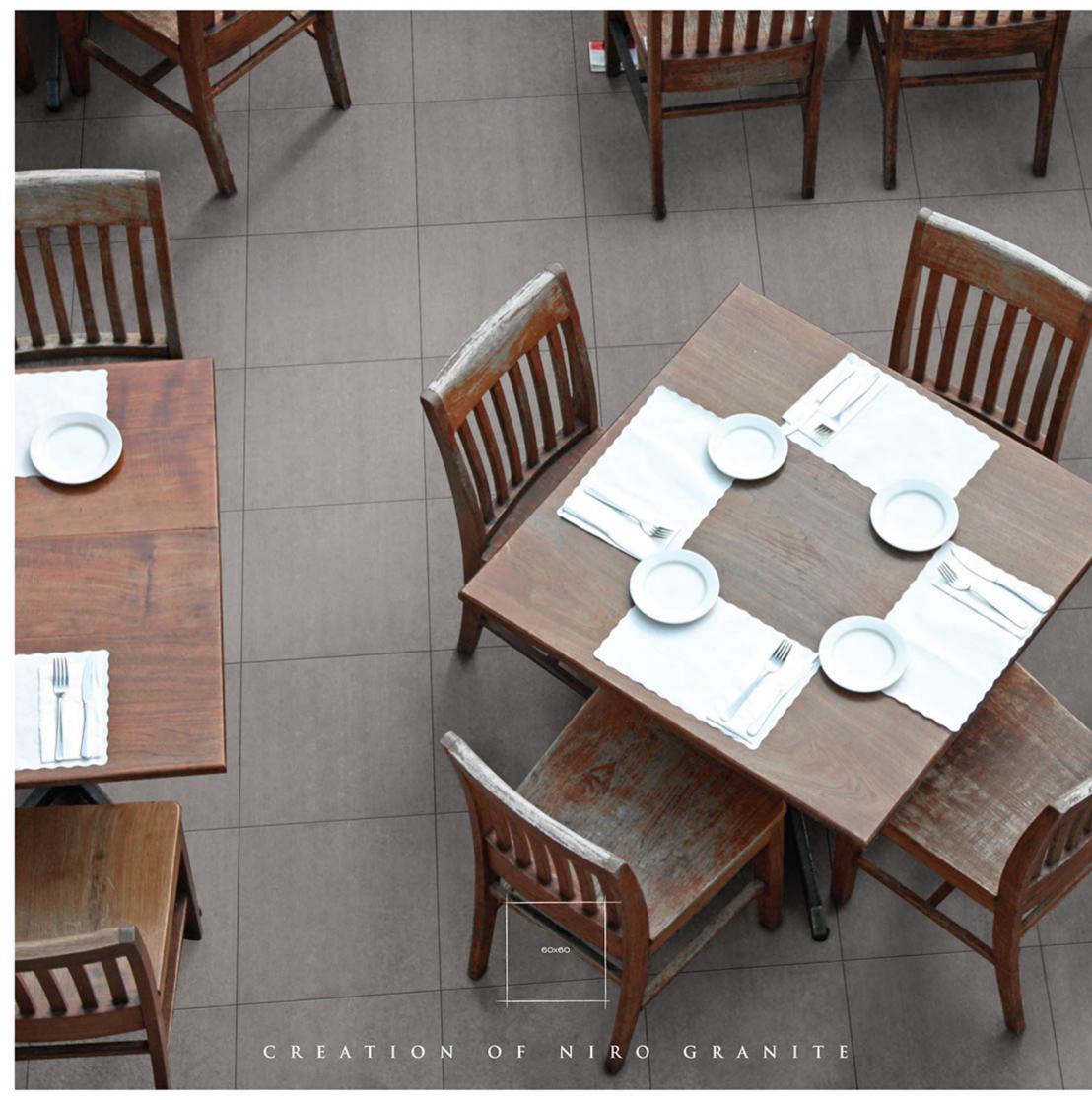




POLISHED SURFACE

MATT SURFACE





SERIES	SURFACES	30x30	30x60	60x60	40x80	80x80
GMR81 LIGHT GREY	POLISHED SURFACE	*	*	*	*	*
	MATT SURFACE	*	*	*	*	*
	STRUCTURED SURFACE	*	*	*		
GMR82 GREY	POLISHED SURFACE	*	*	*		
	MATT SURFACE	*	*	*		
	STRUCTURED SURFACE	*	*	*		
GMR83 VANILIA	POLISHED SURFACE	*	*	*	*	*
	MATT SURFACE	*	*	*	*	*
	STRUCTURED SURFACE	*	*	*		
GMR85	POLISHED SURFACE	*	*	*		
	MATT SURFACE	*	*	*		
GMR88 SAND	POLISHED SURFACE	*	*	*		
	MATT SURFACE	*	*	*		
GMR90	POLISHED SURFACE	*	*	*		
	MATT SURFACE	*	*	*		
GMR94	POLISHED SURFACE	*	*	*		
	MATT SURFACE	*	*	*		
GMR97 BLACK	POLISHED SURFACE	*	*	*	*	*
	MATT SURFACE	*	*	*	*	*
GMR98 ANTRACITE	POLISHED SURFACE	*	*	*		
	MATT SURFACE	*	*	*		

TECHNICAL SPECIFICATIONS

Description	Standard Test	Measurement Unit	ISO Standard Requirement	NIRO GRANITE
Length & Width	MS ISO 10545 - 2	mm	± 0.5% Max	± 0.25% Max
Thickness	MS ISO 10545 - 2	mm	± 5.0% Max	± 2.50% Max
Sides Straightness	MS ISO 10545 - 2	mm	± 0.5% Max	± 0.25% Max
Rectangularity	MS ISO 10545 - 2	mm	± 0.6% Max	± 0.30% Max
Flatness: a) Centre Curvature b) Edge Curvature c) Warpage	MS ISO 10545 - 2 MS ISO 10545 - 2 MS ISO 10545 - 2	mm mm mm	± 0.5% Max ± 0.5% Max ± 0.5% Max	± 0.25% Max ± 0.25% Max ± 0.25% Max
Surface Quality	MS ISO 10545 - 2	One major area of tiles	≥ 95% free from visible defect	Comply
Water Absorption	MS ISO 10545 - 3	Mass	≤ 0.5%	≤ 0.25% Max
Modulus of Rupture	MS ISO 10545 - 4	N/mm2	≥ 35 N/mm2	≥35 N/mm2
Deep Abrasion	MS ISO 10545 - 6	mm3	≤ 175 mm3	≤ 160 mm3
Surface Abrasion PEI ASTM C1027	MS ISO 10545 - 7	Visual Check	Manuf. to State Abrasion Class, Cycle Passed	Min PEl 3
Crazing Test	MS ISO 10545 - 11	Visual Check	Not Applicable for porcelain tiles	Not Applicable
Frost Resistance	MS ISO 10545 - 12	Visual Check	Required	No Visible Crack
Chemical Resistance (Low Cons.)	MS ISO 10545 - 13	Visual Check	Manuf. to State	Max Visible Change On Cut Side
Chemical Resistance (Household/Swimming Pool)	MS ISO 10545 - 13	Visual Check	Max Visible Change On Cut Side	Max Visible Change On Cut Side
Stain Resistance	MS ISO 10545 - 14	Visual Check	Class 3 Min	Class 3 Min
Coefficient of Friction AS/NZS 4586-1999 App.D.	MS ISO 10545 - 17	Manuf. to State	Manuf. to State	Oil /Wet Ramp (R9 Min)







Due to the low porosity of porcelain tiles, an improved High Performance Cementitious adhesive in accordance to BS EN 12004 & ISO 13007-1 is highly recommended for proper installation. Products that meet this standard are available amongst leading adhesive manufacturers. Please seek expert advice from adhesive manufacturers for proper selection and application.

SHADE AND TONALITIES





SLIGHTLY NOTICEABLE FROM TILE TO TILE



FROM TILE TO TILE























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