



NIRO GRANITE®
THE SWISS-QUALITY TILE



MARMO
black & white



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A TOAST TO TIMELESS, EXQUISITE TASTE

This elegant line of exceptional tiles is redolent with the classical flavours of ancient Italy, yet is infused with an unmistakably modern, cosmopolitan taste. Its enchanting coalescence of the antique and the contemporary is inspired by the epoch-defining, classic films of Old Hollywood – including the sensational concoctions of Italy's own maestro of movies, Federico Fellini – and the pantheon of inimitable silver screen deities, such as Audrey Hepburn. Imbued with timeless sophistication, style, glamour and gloss, the black and white images of the Golden Age of Cinema carry a magical, eternal allure that continue to inspire, awe and move contemporary audiences.

The embodiment of a number of dichotomies, including the sophisticated and the simple, the classical and the modern, the traditional and the new, the black and the white, Marmo similarly incorporates a range of polar opposites with singular style – making it a marvel of design and aesthetic balance.

The Marmo series, full body porcelain tile is exclusively represented by the duality of black and white. Two colours that symbolise opposite extremes in the spectrum of time – day and night – black and white symbolise the breadth of history, in which the passage of time is signified by the cycles of light and darkness. It also artfully expresses the complexity of time – how every moment we experience is comprised of black and white, of complexity and simplicity, of what is seen and what is hidden.





The symbolic hue of freshness, simplicity and purity, white is also the colour of the most extravagant, priceless embodiments of timelessness, which include diamonds (which are forever); celebrated statues of antiquity, such as Michelangelo's eternally-awe-inspiring 'David'; and the precious, treasure-like skeletons of prehistoric creatures, which now stand resplendent in the world's most august museums. Available in dimensions of 60x60 and 80x80, Marmo's 'Blanc' tiles will suffuse spaces with an ageless allure, a borderless sense of timelessness and the glowing aura of classical beauty.





MARMO BLANC

GMA25 | POLISHED

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60x60

80x80

NANO TECHNOLOGY

EASIER TO CLEAN AND WITH BRILLIANT EVER-LASTING SHINE



Marmo NOIR

Synonymous with sophistication, glamour, mystery and majesty, black plays a starring role in conjuring up moods of timeless beauty, as fantastically illustrated by the mercurial, film noire masterpieces of Billy Wilder and John Huston; the must-have sartorial item of every fashionista throughout the ages – ‘the little black dress’; and the rare Black Orchid, with its aura of dark mystique and tantalizing ambiguity. Available in dimensions of 60x60, Marmo’s ‘Noire’ tiles will imbue your world with the limitless expanse of deep, outer space; the untold, enchanting secrets and possibilities of night; and the eternal mysteries of the untold dark ages of pre-history.





MARMO NOIR

GMA29 | POLISHED

Synonymous with sophistication, glamour, mystery and majesty, black plays a starring role in conjuring up moods of timeless beauty, as fantastically illustrated by the mercurial, film noire masterpieces of Billy Wilder and John Huston; the must-have sartorial item of every fashionista throughout the ages – ‘the little black dress’; and the rare Black Orchid, with its aura of dark mystique and tantalizing ambiguity. Available in dimensions of 60x60, Marmo’s ‘Noire’ tiles will imbue your world with the limitless expanse of deep, outer space; the untold, enchanting secrets and possibilities of night; and the eternal mysteries of the untold dark ages of pre-history.



NANO TECHNOLOGY
EASIER TO CLEAN AND WITH BRILLIANT EVER-LASTING SHINE

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 PEI 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)



Each different tiles series are produced to meet different performance requirements. For specific product technical performance, please request from Niro Granite sales team or their agent or distributor.

Colour Variations: Since the colour reproduction in this printed piece will vary from the actual tile colours, final selection should be made from tile samples. Colour, shade and glaze variations may exist due to the inherent characteristics of porcelain tile.




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




UNIFORM
FROM TILE TO TILE




SLIGHTLY NOTICEABLE
FROM TILE TO TILE



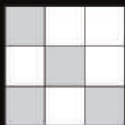
MODERATELY NOTICEABLE
FROM TILE TO TILE



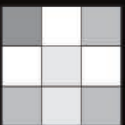
DISTINCTLY NOTICEABLE
FROM TILE TO TILE




U1
Uniform from tile to tile
The range of colours and tones within the same shade is relatively uniform from tile to tile.
Minimal to no difference among pieces from the same production run.



U2
Slightly noticeable from tile to tile
The range of colours and tones within the same shade is slightly noticeable from tile to tile.
Clearly distinguishable differences in design or pattern with similar or slight change in colour tones.



U3
Moderately noticeable from tile to tile
The range of colours and tones within the same shade is moderately noticeable from tile to tile.
Clearly distinguishable differences in design or pattern.



U4
Distinctly noticeable from tile to tile
The range of colours and tones within the same shade is distinctly different from tile to tile.
Random colour differences from tile to tile, so that one tile may have totally different colors from that on other tiles.
Final installation can be unique.



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