



Imperial
MICHELANGELO

Timeless luxury

Bianco Apuano

THE PERFECTION OF DETAILS. NovaBell enhances the ceramic project with an exquisite range of decorations and mosaics that are the fruit of aesthetic research that embraces the most advanced trends in contemporary design. Fine craftsmanship, following the greatest and most unique Italian tradition, is reawakened in these compositional modules

THE SPLENDOR OF MODERNITY. NovaBell carefully designs every material detail, vein and shade; the result is a consistent aesthetic and style that can light up the volumes of statuesque modernity.



600 x 600 mm
23^{5/8} x 23^{5/8}



300 x 600 mm
11^{13/16} x 23^{5/8}

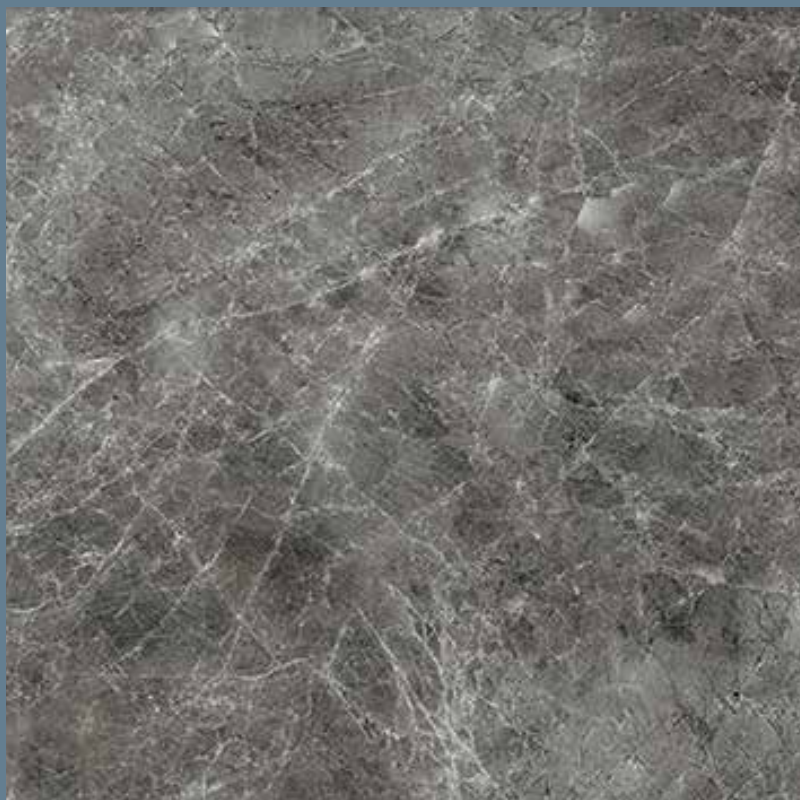


GRIGIO VISONE

THE BALANCE OF CONTRASTS. Beauty not only lies in chromatic harmony, but also in the tasteful contrast between different shades and graphic movements that define living areas, lending them new and unexplored stylistic paths.

THE FORMS OF BALANCE. The various Imperial Michelangelo formats enhance the graphic movements and the exclusive mirror-polished finish.

The Imperial Michelangelo project includes the classic 30x60 format, which is practical and perfect for wall cladding.



600 x 600 mm
23^{5/8} x 23^{5/8}



300 x 600 mm
11^{13/16} x 23^{5/8}





FLOOR: Bianco Apuano Levigato



Stain-resistant



Easy to clean



Waterproof



WALL: Grigio Visone Levigato
FLOOR: Bianco Apuano Levigato





A modern interior space featuring a dark, polished marble reception desk. The desk is set against a light gray, textured wall. Above the desk, five pendant lights with black cords and white shades hang from a ceiling with a dark wood slat design. The floor is a light, neutral color. The word "IMPERIAL" is displayed in white capital letters on the front of the desk.

IMPERIAL

The International reference standards: ANSI - ASTM

Characteristics and Test methods		Requirements ANSI A 137.1	Our general values																																																																				
Determination of water absorption - (ASTM C 373)		Average value $E_b \leq 0,5 \%$	Average value $\leq 0,5\%$																																																																				
Classification		Definition § 3.0	Porcelain tiles																																																																				
			Physical properties																																																																				
Breaking strength - (ASTM C 648)		Average ≥ 250 lbf (1.11 kN)	Complies																																																																				
Visible abrasion - (ASTM C 1027)		As reported	-																																																																				
Thermal shock resistance (ASTM C 428)		Pass	Complies																																																																				
Crazing resistance (ASTM C 424)		Pass	Complies																																																																				
Resistance to freeze/thaw cycling (ASTM C 1026)		As reported	Resistant																																																																				
DCOF Resistance (ANSI A 137.1 Section 9.6)		$\geq 0.42^{(1)}$	DCOF ≥ 0.42																																																																				
Bond strength (ASTM C 482)		≥ 50 psi (0.34 MPa)	> 1 MPa																																																																				
Color Uniformity (ASTM C 609 and ANSI A 137.1 Section 9.3) ⁽²⁾		V0 – 3 Judds	See the specific section																																																																				
			Chemical properties																																																																				
Chemical resistance (ASTM C 650)		As reported																																																																					
RESULTS Pencil test applicable X Not applicable																																																																							
<table><tr><th>Chemical test solution (Item 1.2 of the standard)</th><th>Visual test</th><th>Pencil test</th><th>N. of specimens affected</th></tr><tr><td rowspan="10">Common Household and Cleaning</td><td>Acetic acid 3 % (V/V)</td><td>Not affected</td><td>Not affected</td><td>0</td></tr><tr><td>Acetic acid 10 % (V/V)</td><td>Not affected</td><td>Not affected</td><td>0</td></tr><tr><td>Ammonium chloride 100 g/l</td><td>Not affected</td><td>Not affected</td><td>0</td></tr><tr><td>Citric acid 30 g/l</td><td>Not affected</td><td>Not affected</td><td>0</td></tr><tr><td>Citric acid 100 g/l</td><td>Not affected</td><td>Not affected</td><td>0</td></tr><tr><td>Lactic acid 5 % (V/V)</td><td>Not affected</td><td>Not affected</td><td>0</td></tr><tr><td>Phosphoric acid 3 % (V/V)</td><td>Not affected</td><td>Not affected</td><td>0</td></tr><tr><td>Phosphoric acid 10 % (V/V)</td><td>Not affected</td><td>Not affected</td><td>0</td></tr><tr><td>Sulfamic acid 30 g/l</td><td>Not affected</td><td>Not affected</td><td>0</td></tr><tr><td>Sulfamic acid 100 g/l</td><td>Not affected</td><td>Not affected</td><td>0</td></tr><tr><td>Swimming Pool</td><td>Sodium hypochlorite 20 mg/l</td><td>Not affected</td><td>Not affected</td><td>0</td></tr><tr><td rowspan="2">Acids:</td><td>Hydrochloric acid 3 % (V/V)</td><td>Affected</td><td>Affected</td><td>1</td></tr><tr><td>Hydrochloric acid 18 % (V/V)</td><td>Not affected</td><td>Not affected</td><td>0</td></tr><tr><td rowspan="2">Bases:</td><td>Potassium hydroxide 30 g/l</td><td>Affected</td><td>Affected</td><td>1</td></tr><tr><td>Potassium hydroxide 100 g/l</td><td>Affected</td><td>Affected</td><td>1</td></tr></table>				Chemical test solution (Item 1.2 of the standard)	Visual test	Pencil test	N. of specimens affected	Common Household and Cleaning	Acetic acid 3 % (V/V)	Not affected	Not affected	0	Acetic acid 10 % (V/V)	Not affected	Not affected	0	Ammonium chloride 100 g/l	Not affected	Not affected	0	Citric acid 30 g/l	Not affected	Not affected	0	Citric acid 100 g/l	Not affected	Not affected	0	Lactic acid 5 % (V/V)	Not affected	Not affected	0	Phosphoric acid 3 % (V/V)	Not affected	Not affected	0	Phosphoric acid 10 % (V/V)	Not affected	Not affected	0	Sulfamic acid 30 g/l	Not affected	Not affected	0	Sulfamic acid 100 g/l	Not affected	Not affected	0	Swimming Pool	Sodium hypochlorite 20 mg/l	Not affected	Not affected	0	Acids:	Hydrochloric acid 3 % (V/V)	Affected	Affected	1	Hydrochloric acid 18 % (V/V)	Not affected	Not affected	0	Bases:	Potassium hydroxide 30 g/l	Affected	Affected	1	Potassium hydroxide 100 g/l	Affected	Affected	1
Chemical test solution (Item 1.2 of the standard)	Visual test	Pencil test	N. of specimens affected																																																																				
Common Household and Cleaning	Acetic acid 3 % (V/V)	Not affected	Not affected	0																																																																			
	Acetic acid 10 % (V/V)	Not affected	Not affected	0																																																																			
	Ammonium chloride 100 g/l	Not affected	Not affected	0																																																																			
	Citric acid 30 g/l	Not affected	Not affected	0																																																																			
	Citric acid 100 g/l	Not affected	Not affected	0																																																																			
	Lactic acid 5 % (V/V)	Not affected	Not affected	0																																																																			
	Phosphoric acid 3 % (V/V)	Not affected	Not affected	0																																																																			
	Phosphoric acid 10 % (V/V)	Not affected	Not affected	0																																																																			
	Sulfamic acid 30 g/l	Not affected	Not affected	0																																																																			
	Sulfamic acid 100 g/l	Not affected	Not affected	0																																																																			
Swimming Pool	Sodium hypochlorite 20 mg/l	Not affected	Not affected	0																																																																			
Acids:	Hydrochloric acid 3 % (V/V)	Affected	Affected	1																																																																			
	Hydrochloric acid 18 % (V/V)	Not affected	Not affected	0																																																																			
Bases:	Potassium hydroxide 30 g/l	Affected	Affected	1																																																																			
	Potassium hydroxide 100 g/l	Affected	Affected	1																																																																			
Stain resistance (ASTM C 1378)		As reported	See "Maintenance and care" section																																																																				
			Dimensions - Calibrated tiles																																																																				
Dimensions - (ASTM C 499) - (ASTM C 485) -(ASTM C 502)		See ANSI A 137.1 - Tab. 10	Complies																																																																				
			Dimensions - Rectified tiles																																																																				
Dimensions - (ASTM C 499) - (ASTM C 485) -(ASTM C 502)		See ANSI A 137.1 - Tab. 10	Complies																																																																				

(1) For level interior spaces expected to be walked upon when wet - (2) For V0 tiles only



IMPERIAL MICHELANGELO
LEVIGATO

 Utilizzare il **QR CODE** per scaricare le schede tecniche

 Use the **QR CODE** to download data sheets



IMPERIAL MICHELANGELO
NATURALE

 Veuillez utiliser le **QR CODE** pour télécharger les fiches techniques

 **QR CODE** benutzen um die technische datenblätter runter zu laden

The international reference standards: ISO - EN

Characteristics and Test methods		Requirements	Our general values																												
		EN 14411 ⁽¹⁾ – G / ISO 13006 ⁽²⁾ - G																													
Determination of water absorption - (ISO 10545-3)		Average value E _b ≤ 0,5 % / Individual maximum 0,6%	Average value and individual maximum < 0,5%																												
Classification		Definition § 3.2 and § 3.7	BI ₃ – Porcelain tiles																												
			Physical properties																												
Modulus of rupture - (ISO 10545-4)		Average ≥ 35 N/mm ²	≥ 35 N/mm2																												
Breaking strength - (ISO 10545-4)		Average ≥ 1300 N for thickness ≥ 7,5 mm Average ≥ 700 N for thickness < 7,5 mm	Complies																												
Abrasion resistance - (ISO 10545-7)		Abrasion class and cycles passed	-																												
Coefficient of linear thermal expansion (ISO 10545-8)		Declared value ⁽¹⁾ / Test method available ⁽²⁾	< 7,1 x 10 ⁻⁶ °C ⁻¹																												
Thermal shock resistance (ISO 10545-9)		Pass according to EN ISO 10545-1 ⁽¹⁾ / Test method available ⁽²⁾	Complies																												
Crazing resistance (ISO 10545-11)		Pass according to EN ISO 10545-1 ⁽¹⁾ / Required ⁽²⁾	Complies																												
Frost resistance (ISO 10545-12)		Pass according to EN ISO 10545-1 ⁽¹⁾ / Required ⁽²⁾	Complies																												
Moisture expansion (ISO 10545-10)		Declared value ⁽¹⁾ / Test method available ⁽²⁾	≤ 0,2 mm/m																												
Impact resistance - (ISO 10545-5)		Declared value ⁽¹⁾ /Test method available ⁽²⁾	COR > 0,75																												
Reaction to fire		Class A1 or A1 _{FL} ⁽¹⁾	A1 _{FL} Classified Without Testing (CWT) – 96/603 EC																												
			Chemical properties																												
Chemical resistance -(GL) (ISO 10545-13)		Declared value ⁽¹⁾ / Manufacturer is to state classification (2) / Minimum class B	<table><tr><td colspan="2">Household Chemicals:</td></tr><tr><td>Ammonium Chloride 100g/l</td><td>GA(V)</td></tr><tr><td colspan="2">Swimming pool salts:</td></tr><tr><td>Sodium hypochlorite 20mg/l</td><td>GA(V)</td></tr><tr><td colspan="2">Acids:</td></tr><tr><td>Hydrochloric acid 3% V/V</td><td>GLB(V)</td></tr><tr><td>Citric acid 100g/l</td><td>GLA(V)</td></tr><tr><td colspan="2">Alkali:</td></tr><tr><td>Potassium Hydroxide 30g/l</td><td>GLB(V)</td></tr><tr><td colspan="2">Acids:</td></tr><tr><td>Hydrochloric acid 18%V/V</td><td>GHA(V)</td></tr><tr><td>Lactic acid 5% V/V</td><td>GHA(V)</td></tr><tr><td colspan="2">Alkali:</td></tr><tr><td>Potassium Hydroxide 100g/l</td><td>GHB(V)</td></tr></table>	Household Chemicals:		Ammonium Chloride 100g/l	GA(V)	Swimming pool salts:		Sodium hypochlorite 20mg/l	GA(V)	Acids:		Hydrochloric acid 3% V/V	GLB(V)	Citric acid 100g/l	GLA(V)	Alkali:		Potassium Hydroxide 30g/l	GLB(V)	Acids:		Hydrochloric acid 18%V/V	GHA(V)	Lactic acid 5% V/V	GHA(V)	Alkali:		Potassium Hydroxide 100g/l	GHB(V)
Household Chemicals:																															
Ammonium Chloride 100g/l	GA(V)																														
Swimming pool salts:																															
Sodium hypochlorite 20mg/l	GA(V)																														
Acids:																															
Hydrochloric acid 3% V/V	GLB(V)																														
Citric acid 100g/l	GLA(V)																														
Alkali:																															
Potassium Hydroxide 30g/l	GLB(V)																														
Acids:																															
Hydrochloric acid 18%V/V	GHA(V)																														
Lactic acid 5% V/V	GHA(V)																														
Alkali:																															
Potassium Hydroxide 100g/l	GHB(V)																														
CLASSIFICATION (Pencil test and/or reflexion test are not applicable:) <i>U: Unglazed tiles</i> <i>G: Glazed tiles</i> <i>L: Low concentration chemicals</i> <i>H: High concentration chemicals</i> <i>Class A(V): no visible effect</i> <i>Class B(V): definitive change in appearance</i> <i>Class C(V): partial or complete loss of the surface</i>																															
Resistance to staining (ISO 10545-14)		Minimum class 3	See "Maintenance and care" section																												
			Dimensions and surface quality																												
Dimensions - (ISO 10545-2)		See ANNEX G	Complies																												
Surface quality - (ISO 10545-2 § 7)		A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles	Complies																												
(1) Requirements according to EN 14411		(2) Requirements according to ISO 13006																													
Test methods		Requirements and references	Our general values																												
Dynamic Coefficient Friction wet and dry condition (BCR – ex BCRA) Italy		DM n. 236 / 1989																													

