

Concrete Look

FACTOR

 **atlas concorde**
SOLUTION

March 2023

Factor

EASY TO MATCH CONCRETE LOOK



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The collection was born from the fusion of concrete and plaster: shades of light, color, and matter soften the rigor of the concrete, creating an original balance between an industrial vibe and expressive vitality. Factor consists of easy-to-match shades in a 60x120 format: four neutral, delicate, elegant colors that can also be used outdoors thanks to the 60x60 Grip tile with a 20 mm thickness, and four pastel, modern, eye-catching colors for a fresh, trendy look.

La collezione nasce dalla fusione tra cemento e intonaco: sfumature di luce, colore e materia ammorbidiscono il rigore del cemento dando vita ad un originale equilibrio tra attitudine industriale e vivacità espressiva. Factor si compone di tonalità facili da abbinare nel formato 60x120: quattro colori neutri, delicati ed eleganti, applicabili anche in esterno grazie al formato 60x60 Grip e 20mm, e quattro colori pastello, moderni e accattivanti, per un aspetto fresco e di tendenza.

La collection est née de la fusion du ciment et du plâtre : des nuances de lumière, de couleur et de matière adoucissent la rigueur du béton, créant un équilibre original entre attitude industrielle et vivacité expressive. Factor se compose de teintes faciles à assortir au format 60x120 : quatre couleurs neutres, délicates et élégantes, qui peuvent également être appliquées à l'extérieur grâce au format 60x60 Grip et 20 mm, et quatre couleurs pastel, modernes et accrocheuses, pour un look frais et tendance.

Die Kollektion entsteht aus der Verschmelzung von Zement und Gips: Nuancen aus Licht, Farbe und Materie setzen der Strenge des Betons Weichheit entgegen und lassen so ein originelles Gleichgewicht aus Industrielook und ausdrucksvoller Lebendigkeit entstehen. Factor umfasst einfach zu kombinierende Farbtöne im Format 60x120: vier neutrale, zarte und elegante Farben, die dank des Formats 60x60 Grip und 20 mm auch im Freien verlegt werden können, und vier moderne, attraktive Pastellfarben für einen frischen und trendigen Look.

La colección nace de la fusión del cemento y el yeso: los matices de luz, color y materia suavizan la aspereza del cemento, creando un equilibrio original entre actitud industrial y vivacidad expresiva. Factor está formada por tonos fáciles de combinar en el tamaño de 60x120: cuatro colores neutros, delicados y elegantes, que también pueden aplicarse en exteriores gracias al tamaño 60x60 Grip y 20mm, y cuatro colores pastel, modernos y atractivos, para un estilo fresco y actual.



FLOOR
Factor **Desert**
Matte/Matt
60x120 | 23⁵/₈"x47¹/₄"

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FLOOR
Factor **Desert**
Matte/Matt
60x120 | 23⁵/₈"x47¹/₄"



FLOOR
Factor **Stripes**
Matte/Matt
60x120 | 23⁵/₈"x47¹/₄"

WALL
Factor **Sky Brick**
Glossy
7,5x30 | 3"x11³/₄"

Factor **Stripes**
Matte/Matt
60x120 | 23⁵/₈"x47¹/₄"

© Ceramiche Atlas Concorde



FLOOR
Factor **Stripes**
Matte/Matt
60x120 | 23⁵/₈" x 47¹/₄"

WALL
Factor **Sky Brick**
Glossy
7,5x30 | 3" x 11¹/₄"

Factor **Stripes**
Matte/Matt
60x120 | 23⁵/₈" x 47¹/₄"

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Factor

A DECOR FOR EVERY STYLE



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Compositional solutions are emphasized by the Stripes decor in the 60x120 format, where the fusion of the four neutral colors enriched by subtle textures transforms the allure of oxidized sheet metal, and by the Brick Glossy and Listel Metal tiles, in a lively version of the four pastel colors, for a combination of colorful energy and stylistic delicacy that makes them extremely versatile for decorative designs.

Le soluzioni compositive sono enfatizzate dal decoro Stripes nel formato 60x120, dove la fusione dei quattro colori neutri arricchita da trame in controluce trasforma il fascino delle lamiere ossidate, dai Brick Glossy e dai Listel Metal, in una versione vivace dei quattro colori pastello, per un connubio tra energia cromatica e delicatezza stilistica che li rende estremamente versatili per pose decorative.

Les solutions de composition sont soulignées par la décoration Stripes au format 60x120, où la fusion des quatre couleurs neutres enrichies par des textures rétroéclairées transforme le charme de la tôle oxydée, de la Brick Glossy et du Listel Metal, en une version vivante des quatre couleurs pastel, pour une combinaison d'énergie chromatique et de délicatesse stylistique qui les rend extrêmement polyvalents pour les poses décoratives.

Zur weiteren Akzentuierung der Kombinationen dient das Dekor Stripes im Format 60x120, in dem die Fusion der vier neutralen Farben durch zusätzliche Strukturierung im Gegenlicht den Zauber oxidierten Blechs der Bricks Glossy und der Leisten Metal in eine lebhafte Version der vier Pastellfarben verwandelt. Eine Verbindung aus farblicher Energie und stilistischer Feinheit, die die Produkte für dekorative Verlegeideen überaus vielseitig macht.

Las distintas composiciones se acentúan con la decoración Stripes en el tamaño 60x120, donde la fusión de los cuatro colores neutros enriquecida por tramas a contraluz transforma el encanto de las planchas oxidadas, de Brick Glossy y Listel Metal, en una versión vivaz de los cuatro colores pastel, para una combinación de energía cromática y delicadeza estilística que las hace extremadamente versátiles para aplicaciones decorativas.



Factor

Brick Glossy



FLOOR
Factor **Cloud**
Matte/Matt
60x120 | 23⁵/₈" x 47¹/₄"

WALL
Factor **Forest Brick**
Glossy
7,5x30 | 3"x11¹/₄"



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FLOOR
Factor **Volcano**
Matte/Matt
60x60 | 23⁵/₈"x23⁵/₈"

Factor **Volcano Mosaico**
Matte/Matt
30x30 | 11³/₄"x11³/₄"

WALL
Factor **Blossom Brick**
Glossy
7,5x30 | 3"x11³/₄"

Factor **Pastel Snow**
Matte/Matt
60x120 | 23⁵/₈"x47¹/₄"

Factor **Snow Listel Metal**
Metal
1x60 | 3³/₈"x23⁵/₈"



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FLOOR
Factor **Volcano**
Matte/Matt
60x60 | 23⁵/₈"x23⁵/₈"

Factor **Volcano Mosaico**
Matte/Matt
30x30 | 11³/₄"x11³/₄"

WALL
Factor **Blossom Brick**
Glossy
7,5x30 | 3"x11³/₄"

Factor **Pastel Snow**
Matte/Matt
60x120 | 23⁵/₈"x47¹/₄"

Factor **Snow Listel Metal**
Metal
1x60 | 3⁷/₈"x23⁵/₈"



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FLOOR
Factor **Snow**
Matte/Matt
60x120 | 23⁵/₈"x47¹/₄"

Factor **Cloud**
Matte/Matt
60x120 | 23⁵/₈"x47¹/₄"

WALL
Factor **Pastel Blossom**
Matte/Matt
60x120 | 23⁵/₈"x47¹/₄"

Factor **Blossom Brick**
Glossy
7,5x30 | 3"x11³/₄"

WALL
Factor **Pastel Sky**
Matte/Matt
60x120 | 23⁵/₈"x47¹/₄"

Factor **Sky Brick**
Glossy
7,5x30 | 3"x11³/₄"



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FLOOR Factor Pastel Sky Matte/Matt 60x120 23 ⁵ / ₈ "x47 ¹ / ₄ "	WALL Factor Snow Matte/Matt 30x60 11 ³ / ₄ "x23 ⁵ / ₈ "	WALL Factor Pastel Sky Matte/Matt 60x120 23 ⁵ / ₈ "x47 ¹ / ₄ "	WALL Factor Pastel Forest Matte/Matt 60x120 23 ⁵ / ₈ "x47 ¹ / ₄ "
Factor Volcano Matte/Matt 60x120 23 ⁵ / ₈ "x47 ¹ / ₄ "	Factor Snow Brick Glossy 7,5x30 3"x11 ³ / ₄ "	Factor Sky Listel Metal Metal 1x60 3 ¹ / ₈ "x23 ⁵ / ₈ "	Factor Forest Brick Glossy 7,5x30 3"x11 ³ / ₄ "
		Factor Forest Listel Metal Metal 1x60 3 ¹ / ₈ "x23 ⁵ / ₈ "	



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FLOOR
Factor **Pastel Sky**
60x120 | 23⁵/₈"x47¹/₄"

Factor **Volcano**
Outdoor ∇ 20 mm
60x60 | 23⁵/₈"x23⁵/₈"

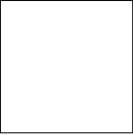
Factor

Porcelain Tiles RECTIFIED MONOCALIBER

MATTE SURFACE



± 9 mm
60x120 cm - 23⁵/₈"x47¹/₄"
Factor Snow
Factor Desert
Factor Cloud
Factor Volcano

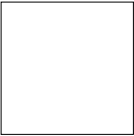


± 8 mm
60x60 cm - 23⁵/₈"x23⁵/₈"
Factor Snow
Factor Desert
Factor Cloud
Factor Volcano



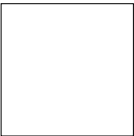
± 8 mm
30x60 cm - 11³/₄"x23⁵/₈"
Factor Snow
Factor Desert
Factor Cloud
Factor Volcano

GRIP SURFACE



± 8 mm
60x60 cm - 23⁵/₈"x23⁵/₈"
Factor Snow Grip
Factor Desert Grip
Factor Cloud Grip
Factor Volcano Grip

OUTDOOR ± 20 mm



± 20 mm
60x60 cm - 23⁵/₈"x23⁵/₈"
Factor Cloud 20mm
Factor Volcano 20mm



Matte ± 6-9 mm
Grip ± 8 mm
Outdoor ± 20 mm



R10 A+B Matte ± 6-9 mm
R11 A+B+C Grip ± 8 mm
R11 A+B+C Outdoor ± 20 mm



V2 Slight
Variation



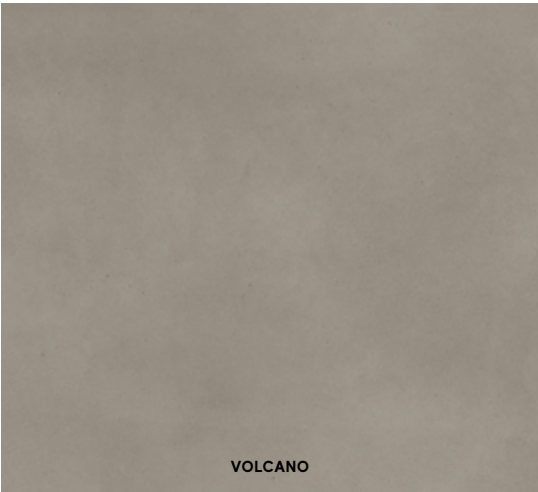
Floor & Wall



Outdoor



Outdoor



Factor

Porcelain Tiles RECTIFIED MONOCALIBER

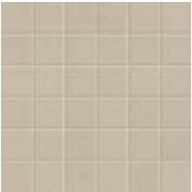
DECOR RANGE



Factor Stripes
60x120 – 23⁵/₈"x47¹/₄" 3 different patterns



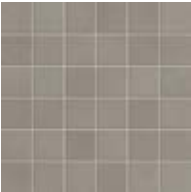
Factor Snow
Mosaico
30x30 – 11³/₄"x11³/₄"



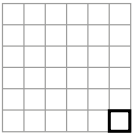
Factor Desert
Mosaico
30x30 – 11³/₄"x11³/₄"



Factor Cloud
Mosaico
30x30 – 11³/₄"x11³/₄"



Factor Volcano
Mosaico
30x30 – 11³/₄"x11³/₄"



4,8x4,8 cm
1⁷/₈"x1⁷/₈"

	Battiscopa	Gradino
	7,2x60 cm 2 ⁷ / ₈ "x23 ⁵ / ₈ "	30x60 cm 11 ³ / ₄ "x23 ⁵ / ₈ "
	Matte	Matte
Snow	•	•
Desert	•	•
Cloud	•	•
Volcano	•	•



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FLOOR
Factor Stripes
Matte/Matt
60x120 | 23⁵/₈"x47¹/₄"

Factor

Glazed Porcelain Tiles RECTIFIED MONOCALIBER



Matte ✖ 9 mm

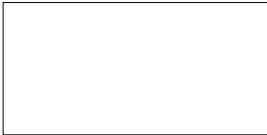


R10 B Matte ✖ 9 mm



V2 Slight Variation

MATTE SURFACE



Floor & Wall

✖ 9 mm

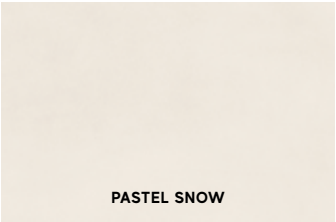
60x120 cm - 23⁵/₈"x47¹/₄"

Factor Pastel Snow

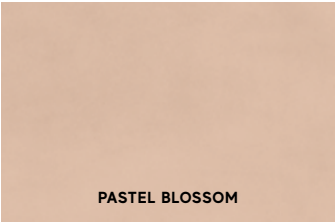
Factor Pastel Sky

Factor Pastel Blossom

Factor Pastel Forest



PASTEL SNOW



PASTEL BLOSSOM



PASTEL FOREST



PASTEL SKY

DECOR RANGE



Factor Snow Brick Glossy
7,5x30 - 3"x11³/₄" Not Rectified



Factor Blossom Brick Glossy
7,5x30 - 3"x11³/₄" Not Rectified



Factor Forest Brick Glossy
7,5x30 - 3"x11³/₄" Not Rectified



Factor Sky Brick Glossy
7,5x30 - 3"x11³/₄" Not Rectified

Factor Snow
Listel Metal
1x60 - 3⁵/₈"x23⁵/₈"

Factor Blossom
Listel Metal
1x60 - 3⁵/₈"x23⁵/₈"

Factor Forest
Listel Metal
1x60 - 3⁵/₈"x23⁵/₈"

Factor Sky
Listel Metal
1x60 - 3⁵/₈"x23⁵/₈"

Factor Snow
Listel Metal A.E.
1x1 - 3⁵/₈"x3⁵/₈"

Factor Blossom
Listel Metal A.E.
1x1 - 3⁵/₈"x3⁵/₈"

Factor Forest
Listel Metal A.E.
1x1 - 3⁵/₈"x3⁵/₈"

Factor Sky
Listel Metal A.E.
1x1 - 3⁵/₈"x3⁵/₈"



 The decoration can only be laid on the wall - Il decoro si può posare solo a rivestimento - Décor uniquement mural
Das Dekor kann nur an der Wand verlegt werden - La decoración se puede colocar únicamente en paredes



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PORCELAIN TILES Gres porcellanato
GRES CÉRAMÉ / FEINSTEINZEUG / GRES PORCELÁNICO

TECHNICAL FEATURES / CARATTERISTICHE TECNICHE / CARACTERISTIQUES TECHNIQUES / TECHNISCHE DATEN / CARACTERÍSTICAS TÉCNICAS
Complies with EN 14411 (ISO 13006) Appendix G Group B1a Conforme alla norma EN 14411 (ISO 13006) Appendice G Gruppo B1a

		Requirements for nominal size N Requisiti per dimensione nominale N			FACTOR		
		7 cm ≤ N < 15 cm (mm)	N ≥ 15 cm (%)	(mm)	Matte	Grip	Outdoor ✚ 20 mm
Regularity characteristics Caratteristiche di regolarità		Length and width Lunghezza e larghezza	± 0,9 ⁽¹⁾ Non-rect ± 0,4 ⁽¹⁾ Rect	± 0,6 ⁽¹⁾ Non-rect ± 0,3 ⁽¹⁾ Rect	± 2,0 ⁽¹⁾ Non-rect ± 1,0 ⁽¹⁾ Rect	Suitable for Conforme	
		Thickness Spessore	± 0,5 ⁽¹⁾	± 5 ⁽¹⁾	± 0,5 ⁽¹⁾		
		Straightness of sides Rettilineità degli spigoli	± 0,8 ⁽¹⁾⁽²⁾ Non-rect ± 0,4 ⁽¹⁾⁽²⁾ Rect	± 0,5 ⁽¹⁾⁽²⁾ Non-rect ± 0,3 ⁽¹⁾⁽²⁾ Rect	± 0,8 ⁽¹⁾⁽²⁾ Non-rect ± 0,5 ⁽¹⁾⁽²⁾ Rect	Suitable for Conforme	
		Rectangularity (Measurement only on short edges when L/l ≥ 3) Ortogonalità (Misurazione da condurre solo sui lati corti quando L/l ≥ 3)	± 0,8 ⁽¹⁾⁽²⁾ Non-rect ± 0,4 ⁽¹⁾⁽²⁾ Rect	± 0,5 ⁽¹⁾⁽²⁾ Non-rect ± 0,3 ⁽¹⁾⁽²⁾ Rect	± 2,0 ⁽¹⁾⁽²⁾ Non-rect ± 1,5 ⁽¹⁾⁽²⁾ Rect		
Structural characteristics Caratteristiche strutturali		Surface flatness Planarità	c.c. ± 0,8 Non-rect c.c. ± 0,6 Rect	c.c. ± 0,5 Non-rect c.c. ± 0,4 Rect	c.c. ± 2,0 Non-rect c.c. ± 1,8 Rect	Suitable for Conforme	Not applicable to 'strong' structures Non applicabile a strutturati forti
		Water absorption (in % by mass) Massa d'acqua assorbita (come % della massa)	E, ≤ 0,5% Individual max 0,6% E, ≤ 0,5% Valore max singolo 0,6%			≤ 0,1 %	≤ 0,1 %
		Breaking strength Sforzo di rottura	S ≥ 700N (for thickness < 7,5 mm - per spessore < 7,5 mm) S ≥ 1300N (for thickness ≥ 7,5 mm - per spessore ≥ 7,5 mm)			≤ 0,1 %	≤ 0,1 %
		Modulus of rupture Resistenza alla flessione	R ≥ 35 N/mm ²			≤ 0,5 %	≤ 0,5 %
Bulk mechanical characteristics Caratteristiche meccaniche massive		Bending strenght and breaking load Resistenza a flessione e al carico di rottura (4)/(5)	-				
		Impact resistance, as coefficient of restitution Resistenza all'impatto, espresso come coefficiente di restituzione	Declared value Valore dichiarato			≥ 0,55	≥ 0,55
		Resistance to deep abrasion of unglazed tiles (removed volume) Resistenza all'abrasione profonda delle piastrelle non smaltate (volume materiale asportato)	≤ 175 mm ³			≤ 150 mm ³	≤ 150 mm ³
		Coefficient of thermal linear expansion Coefficiente di dilatazione termica lineare	Declared value Valore dichiarato			≤ 7 MK ⁻¹	≤ 7 MK ⁻¹
Thermal and hygrometric characteristics Caratteristiche termo-igrometriche		Thermal shock resistance Resistenza agli sbalzi termici	Pass according to EN ISO 10545-1 Test superato in accordo con ISO 10545-1			Resistant Resiste	Resistant Resiste
		Moisture expansion (in mm/m) Dilatazione all'umidità (n mm/m)	Declared value Valore dichiarato			≤ 0,01% (0,1mm/m)	≤ 0,01% (0,1mm/m)
		Frost resistance Resistenza al gelo	Pass according to EN ISO 10545-1 Test superato in accordo con ISO 10545-1			Resistant Resiste	Resistant Resiste
		Bond strength/adhesion for improved cementitious adhesives Adesione a trazione con adesivi cementizi migliorati	Declared value Valore dichiarato			≥ 1,0 N/mm ² (Class C2 - EN 12004)	≥ 1,0 N/mm ² (Class C2 - EN 12004)
Physical properties Proprietà fisiche		Reaction to fire Reazione al fuoco	Class A1 or A1 _s Classe A1 oppure A1 _s			A1 - A1 _s	A1 - A1 _s
		Resistance to household chemicals and swimming pool salts Resistenza ai prodotti chimici di uso domestico ed agli additivi per piscina	Minimum Class B Classe minima B			A	A
		Resistance to low concentrations of acids and alkalis Resistenza a basse concentrazioni di acidi e alcali	Declared Class Classe dichiarata			LA	LA
		Resistance to high concentrations of acids and alkalis Resistenza ad alte concentrazioni di acidi e alcali	Declared Class Classe dichiarata			HA	HA
Chemical characteristics Caratteristiche chimiche		Resistance to staining, for unglazed tiles Resistenza alle macchie per piastrelle non smaltate	Declared Class Classe dichiarata			5	5
		Shod Ramp Test Metodo della rampa "calzato"	Declared value Valore dichiarato			R10	R11
		Barefoot Ramp Test Metodo della rampa a piedi nudi	Declared value Valore dichiarato			A+B	A+B+C
		Pendulum Friction Test Metodo del Pendolo	PTV ≥ 36 classifies the surface as 'low slip risk'			≥ 36 Dry ≥ 36 Wet	≥ 36 Dry ≥ 36 Wet
Safety characteristics Caratteristiche di sicurezza		Pendulum Friction Test Metodo del Pendolo	Declared Classification of the new pedestrian surface materials according to the Pendulum Test			Class P3	Class P4
		Pendulum Friction Test Metodo del Pendolo	Declared value Valore dichiarato			Class C2	Class C3
		Coefficient of friction (COF) Coefficiente di attrito	D, M, 236/89 del 14/06/89 μ >0,40 per elemento scivolante cuoio su pavimentazione asciutta μ >0,40 per elemento scivolante gomma dura su pavimentazione bagnata			>0,40 Asciutto >0,40 Bagnato	>0,40 Asciutto >0,40 Bagnato
		Dynamic coefficient of friction (DCOF) Coefficiente di attrito dinamico	ANSI A.1371-2017 Requires a minimum value of 0,42 for level interior space expected to be walked upon when wet. (3)			wet DCOF ≥ 0,50	wet DCOF ≥ 0,55

⁽¹⁾ The permissible deviation, in % or mm, of the average size for each tile (2 or 4 sides) from work size (WS). Deviazione ammissibile, in % oppure mm, dalla dimensione media di ogni piastrella (2 oppure 4 lati) dalla dimensione di fabbricazione (WS).

⁽²⁾ The permissible deviation, in % or mm, of the average thickness for each tile from the work size thickness (WS). Deviazione ammissibile, in % oppure mm, dello spessore medio di ogni piastrella dallo spessore riportato nella dimensione di fabbricazione (WS).

⁽¹⁾⁽²⁾ The maximum permissible deviation from straightness, in % or mm, in relation to the corresponding work sizes (WS). Deviazione massima ammissibile di rettilineità, in % oppure mm, in rapporto alle dimensioni di fabbricazione (WS) corrispondenti.

⁽¹⁾⁽²⁾ The maximum permissible deviation from rectangularity, in % or mm, related to the corresponding work sizes (WS). Deviazione massima ammissibile di ortogonalità, in % oppure mm, in rapporto alle dimensioni di fabbricazione (WS) corrispondenti.

⁽¹⁾⁽²⁾ The maximum permissible deviation from centre curvature, in % or mm, related to diagonal calculated from the work size (WS). Deviazione massima ammissibile della curvatura del centro, in % oppure mm, in rapporto alla diagonale calcolata secondo le dimensioni di fabbricazione (WS).

⁽¹⁾⁽²⁾ The maximum permissible deviation from edge curvature, in % or mm, related to the corresponding work sizes (WS). Deviazione massima ammissibile della curvatura dello spigolo, in % oppure mm, in rapporto alle dimensioni di fabbricazione (WS) corrispondenti.

⁽¹⁾⁽²⁾ The maximum permissible deviation from warpage, in % or mm, related to diagonal calculated from the work sizes (WS). Deviazione massima ammissibile dello svergolamento, in % oppure mm, in rapporto alla diagonale calcolata secondo le dimensioni di fabbricazione (WS).

(1) Determination of slip resistance of pedestrian surfaces. It does not cover sports surfaces and road surfaces for vehicles (skid resistance). Determinazione della resistenza allo scivolamento delle superfici pedonabili, non si applica alle pavimentazioni sportive ed alle pavimentazioni stradali veicolanti.

(2) Anti-slip performance is guaranteed at the time of delivery of the product. Le prestazioni anti-slip vengono garantite al momento della consegna del prodotto.

(3) However, tiles with a DCOF of 0,42 or greater are not necessarily suitable for all projects. The specifier shall determine tiles appropriate for specific project conditions, considering by way of example, but not in limitation, type of use, traffic, expected contaminants, expected maintenance, expected wear, and manufacturers' guidelines and recommendations.

(4) For further details, please refer to outdoor design general catalogue. Per maggiori informazioni riferirsi al catalogo generale Outdoor Design.

(5) Only for products with 20 mm thickness. Solo per prodotti a 20mm di spessore.

GLAZED PORCELAIN TILES Gres porcellanato smaltato
CARREAUX EN GRÈS CÉRAMÉ MAILLÉ / GLASIERTE FEINSTEINZEUGFLIESEN / GRES PORCELÁNICO ESMALTADO

TECHNICAL FEATURES / CARATTERISTICHE TECNICHE / CARACTERISTIQUES TECHNIQUES / TECHNISCHE DATEN / CARACTERÍSTICAS TÉCNICAS
Complies with EN 14411 (ISO 13006) Appendix G Group B1a Conforme alla norma EN 14411 (ISO 13006) Appendice G Gruppo B1a

				Requirements for nominal size N Requisiti per dimensione nominale N			FACTOR	
				7 cm ≤ N < 15 cm	N ≥ 15 cm		Pastel - Matte	Brick - Glossy Not Rectified
				(mm)	(%)	(mm)		
Regularity characteristics Caratteristiche di regolarità		Length and width Lunghezza e larghezza		± 0.9 ⁽¹⁾ Non-rect. ± 0.4 ⁽¹⁾ Rect.	± 0.6 ⁽¹⁾ Non-rect. ± 0.3 ⁽¹⁾ Rect.	± 2.0 ⁽¹⁾ Non-rect. ± 1.0 ⁽¹⁾ Rect.	Suitable for Conforme	Suitable for Conforme
		Thickness Spessore		± 0.5 ⁽¹⁾	± 5 ⁽¹⁾	± 0.5 ⁽¹⁾		
		Straightness of sides Rettilineità degli spigoli		± 0.8 ⁽¹⁾⁽²⁾ Non-rect. ± 0.4 ⁽¹⁾⁽²⁾ Rect.	± 0.5 ⁽¹⁾⁽²⁾ Non-rect. ± 0.3 ⁽¹⁾⁽²⁾ Rect.	± 1.5 ⁽¹⁾⁽²⁾ Non-rect. ± 0.8 ⁽¹⁾⁽²⁾ Rect.	Suitable for Conforme	Suitable for Conforme
		Rectangularity (Measurement only on short edges when L/l ≥ 3) Ortogonalità (Misurazione da condurre solo sui lati corti quando L/l ≥ 3)	ISO 10545-2	± 0.8 ⁽¹⁾⁽²⁾ Non-rect. ± 0.4 ⁽¹⁾⁽²⁾ Rect.	± 0.5 ⁽¹⁾⁽²⁾ Non-rect. ± 0.3 ⁽¹⁾⁽²⁾ Rect.	± 2.0 ⁽¹⁾⁽²⁾ Non-rect. ± 1.5 ⁽¹⁾⁽²⁾ Rect.		
		Surface flatness Planarità		c.c. ± 0.8 Non-rect. c.c. ± 0.6 Rect.	c.c. ± 0.5 Non-rect. c.c. ± 0.4 Rect.	c.c. ± 2.0 Non-rect. c.c. ± 1.8 Rect.	Suitable for Conforme	Suitable for Conforme
				e.c. ± 0.8 Non-rect. c.c. ± 0.6 Rect.	e.c. ± 0.5 Non-rect. c.c. ± 0.4 Rect.	e.c. ± 2.0 Non-rect. c.c. ± 1.8 Rect.		
Structural characteristics Caratteristiche strutturali		Water absorption (in % by mass) Massa d'acqua assorbita (come % della massa)	ISO 10545-3	E, ≤ 0.5% Individual max 0.6% E, ≤ 0.5% Valore max singolo 0.6%		≤ 0.1 %	≤ 0.1 %	
			ASTM C 373	Requirement ANSI A137.1 Water absorption max ≤ 0.5%		≤ 0.5 %	≤ 0.5 %	
Bulk mechanical characteristics Caratteristiche meccaniche massive		Breaking strength Sforzo di rottura		S ≥ 700N (for thickness < 7.5 mm - per spessore < 7.5 mm) S ≥ 1300N (for thickness ≥ 7.5 mm - per spessore ≥ 7.5 mm)		S ≥ 1500 N	S ≥ 1500 N	
		Modulus of rupture Resistenza alla flessione	ISO 10545-4	R ≥ 35 N/mm ²		R ≥ 40 N/mm ²	R ≥ 40 N/mm ²	
		Impact resistance, as coefficient of restitution Resistenza all'impatto, espresso come coefficiente di restituzione	ISO 10545-5	Declared value Valore dichiarato		≥ 0.55	≥ 0.55	
Surface mechanical characteristics Caratt. meccaniche superficiali	PEI	Resistance to surface abrasion of glazed tiles Resistenza all'abrasione superficiale delle piastrelle smaltate	ISO 10545-7	Declared value Valore dichiarato		PEI 5: Pastel Snow PEI 4: Pastel Sky, Pastel Forest, Pastel Blossom	-	
Thermal and hygrometric characteristics Caratteristiche termo-igrometriche		Coefficient of thermal linear expansion Coefficiente di dilatazione termica lineare	ISO 10545-8	Declared value Valore dichiarato		≤ 7 MK ⁻¹	≤ 7 MK ⁻¹	
		Thermal shock resistance Resistenza agli sbalzi termici	ISO 10545-9	Pass according to EN ISO 10545-1 Test superato in accordo con ISO 10545-1		Resistant Resiste	Resistant Resiste	
		Moisture expansion (in mm/m) Dilatazione all'umidità (in mm/m)	ISO 10545-10	Declared value Valore dichiarato		≤ 0.01% (0.1mm/m)	≤ 0.01% (0.1mm/m)	
	Crazing resistance: glazed tile Resistenza al cavillo	ISO 10545-11			Resistant Resiste	Resistant Resiste		
	Frost resistance Resistenza al gelo	ISO 10545-12	Pass according to EN ISO 10545-1 Test superato in accordo con ISO 10545-1		Resistant Resiste	Resistant Resiste		
Physical properties Proprietà fisiche		Bond strength/adhesion for improved cementitious adhesives Adesione a trazione con adesivi cementizi migliorati	EN 1348	Declared value Valore dichiarato		≥ 1.0 N/mm ² (Class C2 - EN 12004)	≥ 1.0 N/mm ² (Class C2 - EN 12004)	
	Reaction to fire Reazione al fuoco	-	Class A1 or A1 _s Classe A1 oppure A1 _s		A1 - A1 _s	A1 - A1 _s		
Chemical characteristics Caratteristiche chimiche		Resistance to household chemicals and swimming pool salts Resistenza ai prodotti chimici di uso domestico ed agli additivi per piscina	ISO 10545-13	Minimum Class B Classe minima B		A	A	
		Resistance to low concentrations of acids and alkalis Resistenza a basse concentrazioni di acidi e alcali		Declared Class Classe dichiarata		LA	LA	
		Resistance to high concentrations of acids and alkalis Resistenza ad alte concentrazioni di acidi e alcali	ISO 10545-14	Declared Class Classe dichiarata		-	-	
		Resistance to staining, for unglazed tiles Resistenza alle macchie per piastrelle non smaltate		Declared Class Classe dichiarata		5	5	
Safety characteristics Caratteristiche di sicurezza		Shod Ramp Test Metodo della rampa "calzato"	DIN EN 16165 ANNEX B (EX DIN 51130)	Declared value Valore dichiarato		R10	-	
		Barefoot Ramp Test Metodo della rampa a piedi nudi	DIN EN 16165 ANNEX A (EX DIN 51097)	Declared value Valore dichiarato		A+B	-	
		Pendulum Friction Test Metodo del Pendolo	BS EN 16165 ANNEX C (EX BS 7976)	PTV ≥ 36 classifies the surface as "low slip risk"		≥ 36 Dry ≥ 36 Wet	-	
		Pendulum Friction Test Metodo del Pendolo	AS 4586	Declared Classification of the new pedestrian surface materials according to the Pendulum Test		Class P3	-	
		Pendulum Friction Test Metodo del Pendolo	UNE 41901 EX:2017	Declared value Valore dichiarato		Class C2	-	
		Coefficient of friction (COF) Coefficiente di attrito	B.C.R.A. Rep. CEC/81	D. M. 236/89 del 14/06/89 μ >0.40 per elemento scivolante cuoio su pavimentazione asciutta μ >0.40 per elemento scivolante gomma dura su pavimentazione bagnata		>0.40 Asciutto >0.40 Bagnato	-	
		Dynamic coefficient of friction (DCOF) Coefficiente di attrito dinamico	ANSI A. 326.3	ANSI A.1371-2017 Requires a minimum value of 0.42 for level interior space expected to be walked upon when wet. (3)		wet DCOF ≥ 0.50	-	

(●●), PTV ≥ 36 Wet on demand - su richiesta (●●●), P3 on demand - su richiesta (●●●●), C2 on demand - su richiesta ■ R9 on demand - su richiesta

⁽¹⁾ The permissible deviation, in % or mm, of the average size for each tile (2 or 4 sides) from work size (WS). Deviazione ammissibile, in % oppure mm, dalla dimensione media di ogni piastrella (2 oppure 4 lati) dalla dimensione di fabbricazione (WS).

⁽²⁾ The permissible deviation, in % or mm, of the average thickness for each tile from the work size thickness (WS). Deviazione ammissibile, in % oppure mm, dello spessore medio di ogni piastrella dallo spessore riportato nella dimensione di fabbricazione (WS).

⁽¹⁾⁽²⁾ The maximum permissible deviation from straightness, in % or mm, in relation to the corresponding work sizes (WS). Deviazione massima ammissibile di rettilineità, in % oppure mm, in rapporto alle dimensioni di fabbricazione (WS) corrispondenti.

⁽¹⁾⁽²⁾ The maximum permissible deviation from rectangularity, in % or mm, related to the corresponding work sizes (WS). Deviazione massima ammissibile di ortogonalità, in % oppure mm, in rapporto alle dimensioni di fabbricazione (WS) corrispondenti.

⁽¹⁾⁽²⁾ The maximum permissible deviation from centre curvature, in % or mm, related to diagonal calculated from the work size (WS). Deviazione massima ammissibile della curvatura del centro, in % oppure mm, in rapporto alla diagonale calcolata secondo le dimensioni di fabbricazione (WS).

⁽¹⁾⁽²⁾ The maximum permissible deviation from edge curvature, in % or mm, related to the corresponding work sizes (WS). Deviazione massima ammissibile della curvatura dello spigolo, in % oppure mm, in rapporto alle dimensioni di fabbricazione (WS) corrispondenti.

⁽¹⁾⁽²⁾ The maximum permissible deviation from warpage, in % or mm, related to diagonal calculated from the work sizes (WS). Deviazione massima ammissibile dello svergolamento, in % oppure mm, in rapporto alla diagonale calcolata secondo le dimensioni di fabbricazione (WS).

(1) Determination of slip resistance of pedestrian surfaces. It does not cover sports surfaces and road surfaces for vehicles (skid resistance). Determinazione della resistenza allo scivolamento delle superfici pedonabili, non si applica alle pavimentazioni sportive ed alle pavimentazioni stradali veicolanti.

(2) Anti-slip performance is guaranteed at the time of delivery of the product. Le prestazioni anti-slip vengono garantite al momento della consegna del prodotto.

(3) However, tiles with a DCOF of 0,42 or greater are not necessarily suitable for all projects. The specifier shall determine tiles appropriate for specific project conditions, considering by way of example, but not in limitation, type of use, traffic, expected contaminants, expected maintenance, expected wear, and manufacturers' guidelines and recommendations.

(4) For further details, please refer to outdoor design general catalogue. Per maggiori informazioni riferirsi al catalogo generale Outdoor Design.

(5) Only for products with 20 mm thickness. Solo per prodotti a 20mm di spessore.



Ceramiche Atlas Concorde S.p.A.
Via Canaletto 141 – 41042
Spezzano di Fiorano (MO) – Italia

atlasconcorde.com