

FIRENZE
SHALESTONE

STONESOURCE

03. The Collection.

Ivory Flow.





Ivory Flow declina il riferimento naturale in un caldo e luminoso color avorio che asseconda il temperamento della luce. Perfetto nella continuità cromatica di pavimento e rivestimento, Ivory Flow è protagonista anche di abbinamenti più ricercati con gli altri colori della collezione.

Ivory Flow expresses natural reference in a warm and luminous ivory colour which indulges the temperament of light. Perfect for colour continuity between floor and coverings, Ivory Flow also triumphs in the most original matchings, with other colours from the collection.

WALL
Mosaico 3D Ivory Flow lapp

FLOOR
Ivory Flow 90x90 nat

FLOOR
Ivory Flow 90x90 nat





WALL
Nest Ettagono + Triangolo 25



WALL
Nest Etagono + Triangolo 25

FLOOR
Dark Flow 60x120 lapp



03b.

I tre grigi che completano la paletta colori, neutri e accordabili tra loro, scandiscono altrettante tappe del naturale processo di ossidazione della pietra, una materia che non cessa di evolvere. Nel massimo formato di Slimtech la sofisticata texture minerale trova la sua espressione più compiuta.

The three greys which complete the colour palette are neutral, combinable and express just as many steps in the natural stone oxidation process, a material which never stops evolving. The sophisticated mineral texture achieves its supreme expression in the maximum Slimtech format.

FLOOR
Silver Flow 100x300

WALL
Silver Flow 100x300

Silver Flow.



FLOOR
Silver Flow 100x300







Muretto Silver Flow Iapp



Firenze Shalestone presents a moderate colour variability which in the four available mosaics translates into the pleasant alternation of shades. Luminous and discrete, Silver Flow is a non-dominant grey that is suitable for the most intimate residential interiors as well as large public surfaces.

Silver Flow 60x120 nat





03c.

Gray Flow.







FLOOR
Gray Flow 100x100

COUNTER
Dark Flow 100x300

Gray Flow e Dark Flow, un intenso grigio e un antracite in cadenza perfetta, definiscono la personalità di ogni ambiente, unendo forza di carattere ed eleganza. Leggero e flessibile, versatile e resistente Slimtech estende il campo di applicazione della ceramica anche all'arredamento.

Gray Flow and Dark Flow, an intense grey and a perfectly cadenced anthracite, define the personality of all environments, combining strength of character and elegance. Lightweight and flexible, versatile and resistant, Slimtech extends the field of ceramic application to furniture too.

FLOOR
Gray Flow 100x100

WALL
Dark Flow 100x300

COUNTER
Dark Flow 100x300



Chevron - Gramma 72 Gray Flow





03d.

Profondo ed elegante, Dark Flow è il colore che meglio interpreta lo spirito di questa collezione ispirata all'ardesia. Una pietra ceramica di assoluto realismo, stratificata e armonica, percorsa da suggestioni minerali attinte da pregiate quarziti brasiliane; in versione lappata si fa morbida al tatto e guadagna una pacata lucentezza.

Profound and elegant, Dark Flow is the colour which best interprets the spirit of this collection inspired by slate. A supremely realistic ceramic stone, stratified, harmonious and brimming with mineral suggestions drawn from refined Brazilian quartzites; in the honed version it is soft to the touch and characterised by a subtle shine.

WALL
Dark Flow 30x60 lapp
Mosaico 36 Dark Flow lapp

FLOOR
Dark Flow 60x60 lapp

Dark Flow.





Dark Flow 60x60 lapp

Mosaico 36 Dark Flow lapp







FLOOR
Gray Flow 100x100

COUNTER
Dark Flow 100x300

WALL
Ivory Flow 100x300
Dark Flow 100x300



Come le altre composizioni a moduli sfusi, Basket combina parallelogrammi di misure e colori diversi, in contrasto più o meno marcato tra loro. L'intreccio che si viene a creare fonde movimenti opposti tra loro, in un decoro dalle proporzioni scenografiche che seduce lo sguardo.

As with the other unpackaged modules, Basket combines parallelograms of different sizes and colours which are more or less contrasting. The resulting weave incorporates opposite movements, in a decoration of scenographic proportions which captivates the gaze.

Dark Flow 60x120 lapp





FLOOR
Gray Flow 100x100

WALL
Dark Flow 100x300

03e.

Also produced in L2 technology, Firenze Shalestone is available in 2 cm thick solutions, designed for outdoor areas. The special anti-slip surface of all three available formats (up to 90x90 cm) exalts the collection's mineral character, reinforcing the ancient bond between architecture and natural surroundings.

L2 is resistant against the cold and temperature changes; it preserves material and colour which remain unaltered over time, and enables perfect aesthetic coherence between interiors and outdoor spaces.

Outdoor.



Ivory Flow L2 45x90 grip - Silver Flow L2 special trims





Ivory Flow L2 45x90 grip - Silver Flow L2 special trims



FLOOR
Dark Flow 60x120 lapp

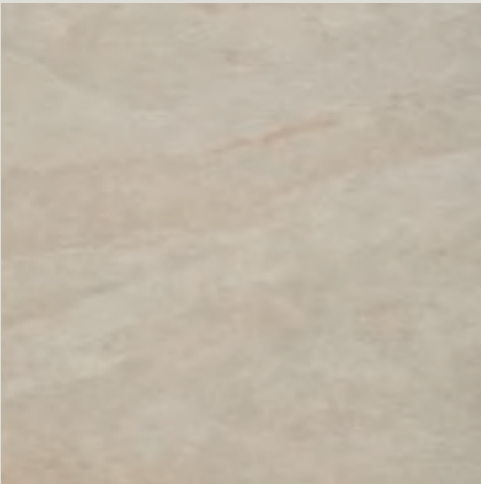
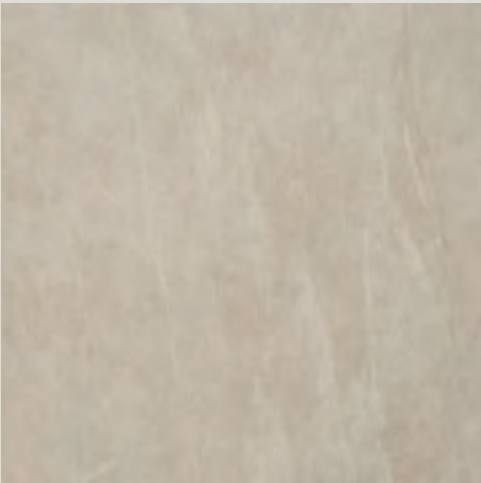
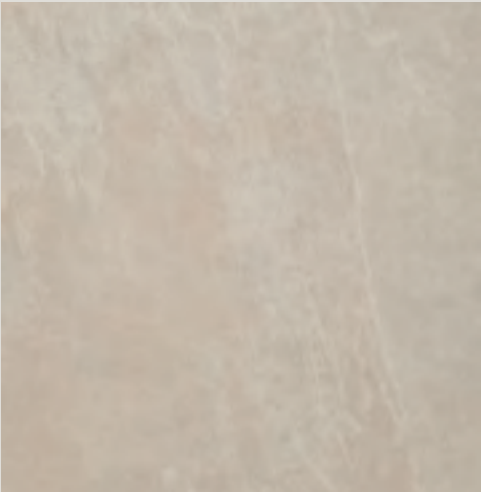
WALL
Nest Ettagono + Triangolo 25

04.

Info.

Colori / Colors

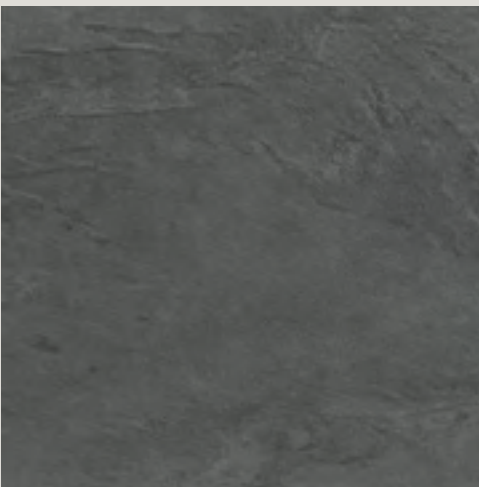
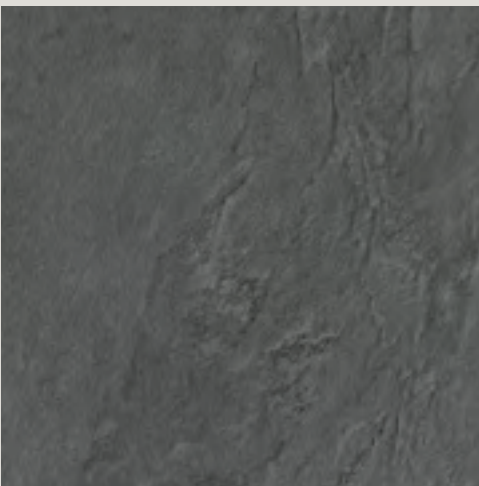
Ivory Flow



Silver Flow



Gray Flow



Dark Flow

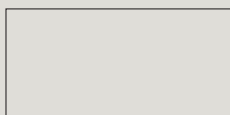


Formati Slimtech / Slimtech Sizes ^{RT}

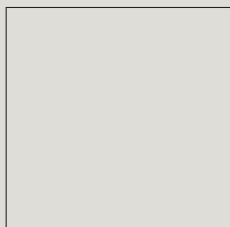


Gres porcellanato laminato rinforzato con fibra di vetro
/Laminated porcelain stoneware reinforced with fibreglass
Spessore/thickness: 5,5mm / slimtech 5plus

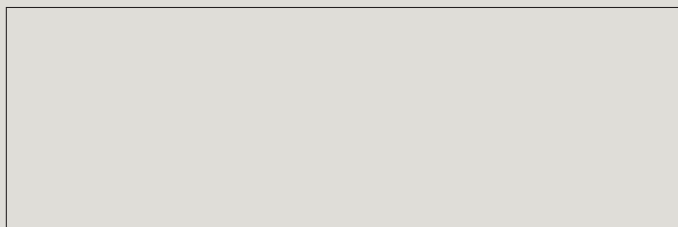
P R () T E C T
ANTIBATTERICO - ANTIMICROBIAL



50x100cm
19 1/2" x 39"
NAT



100x100cm
39" x 39"
NAT



100x300cm
39" x 118"
NAT

Finiture / Finishes

Nat



residenziale
residential



commerciale leggero
light commercial



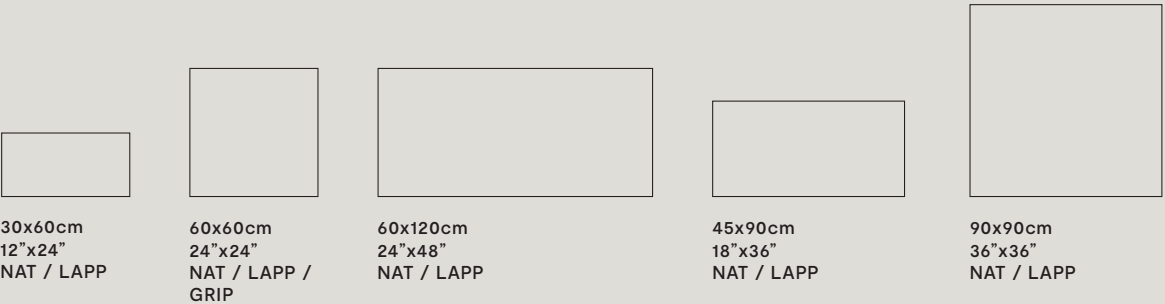
commerciale intensivo
intensive commercial

Formati Gres / Stoneware Sizes ^{LR^T}

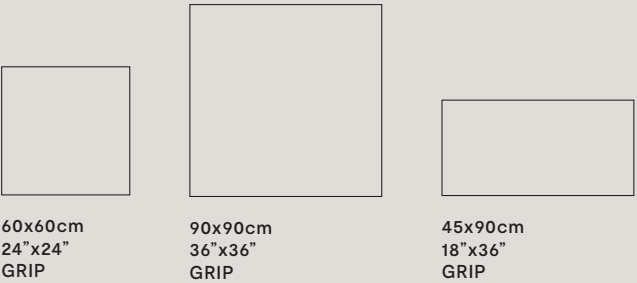


Gres porcellanato / Porcelain stoneware
Spessore/thickness: 9,5mm

PROTECT
ANTIBATTERICO - ANTIMICROBIAL



*Spessore/thickness: 20mm



* Protezione antibatterica non presente
No antimicrobial protection

Finiture / Finishes

Nat



residenziale
residential



commerciale leggero
light commercial



commerciale intensivo
intensive commercial

Lapp



residenziale
residential



commerciale leggero
light commercial



commerciale intensivo
intensive commercial

Grip



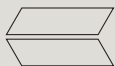
esterno
outdoor

Formati speciali / Special sizes



Gramma 72*

Ivory Flow
Silver Flow
Gray Flow
Dark Flow



14,5x49,8cm
5^{45/64}"x19^{1/2}"
NAT

Gramma 66 sx/dx*

Ivory Flow
Silver Flow
Gray Flow
Dark Flow



16,9x39,2cm
6^{5/8}"x15^{3/8}"
NAT

Gramma 16 sx/dx*

Ivory Flow
Silver Flow
Gray Flow
Dark Flow



8,3x19,5cm
3^{1/4}"x7^{5/8}"
NAT

* Realizzato con sistema di taglio a disco senza bisello. L'eventuale presenza di leggere irregolarità del bordo o di scostamenti dimensionali fino ad 1 mm è da ritenersi conforme.

Made with a disc cutting system without a bevel. Any slight irregularities of the edge or size deviations of up to 1 mm should be regarded as compliant.

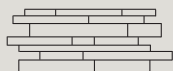
Réalisé avec un système de découpe à disque sans biseau. L'éventuelle présence de légères irrégularités du bord ou de différences de dimension jusqu'à 1 mm est tout à fait conforme.

Mit einem Scheibenschnittsystem ohne Fase hergestellt. Eventuelle leichte Unregelmäßigkeiten an der Kante und Größenabweichungen bis zu 1 mm sind als konform anzusehen.

Mosaici / Mosaics

Muretto

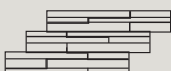
Ivory Flow
Silver Flow
Gray Flow
Dark Flow



30x60 cm
12"x24"
NAT / LAPP

Muretto 3D

Ivory Flow
Silver Flow
Gray Flow
Dark Flow



30x60 cm
12"x24"
NAT / LAPP

Brick

Ivory Flow
Silver Flow
Gray Flow
Dark Flow



30x60 cm
12"x24"
NAT / LAPP

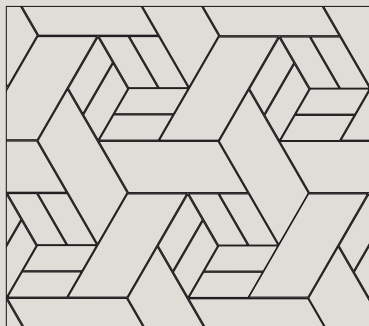
Mosaico 36

Ivory Flow
Silver Flow
Gray Flow
Dark Flow

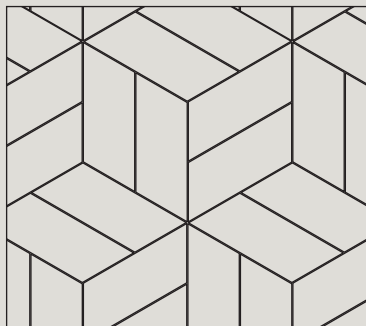


30x30 cm
12"x12"
NAT

Composizioni a moduli sfusi / Tile layouts in loose modules



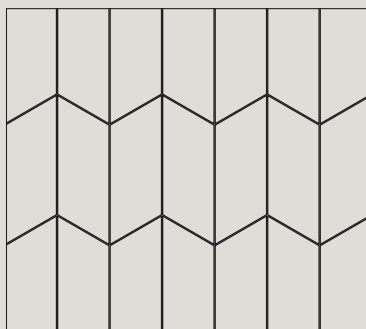
BASKET* Gramma 66 SX 67%
Gramma 16 DX 33%



TWIST* Gramma 66 DX 100%

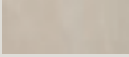
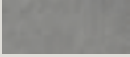
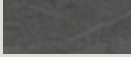
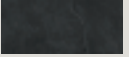


CHEVRON* Gramma 72 100%

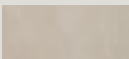
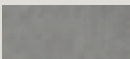
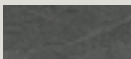
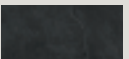


ARROW* Gramma 66 DX 50% - SX 50%

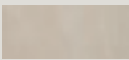
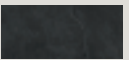
Fondi / Plain tiles

				Ivory Flow	Silver Flow	Gray Flow	Dark Flow
							
100x300cm 39"x118"		5,5mm		LSAWF20	LSAWF30	LSAWF10	LSAWF00
100x100cm 39"x39"		5,5mm		LSCWF20	LSCWF30	LSCWF10	LSCWF00
50x100cm 19 1/2"x39"		5,5mm		LS9WF20	LS9WF30	LS9WF10	LS9WF00
60x120cm 24"x48"		9,5mm	NAT	LGXWF20	LGXWF30	LGXWF10	LGXWF00
			LAPP	LGXWFX2	LGXWFX3	LGXWFX1	LGXWFX0
60x60cm 24"x24"		9,5mm	NAT	LGWWFN2	LGWWFN3	LGWWFN1	LGWWFN0
			LAPP	LGWWFX2	LGWWFX3	LGWWFX1	LGWWFX0
			GRIP	LGWWF20	LGWWF30	LGWWF10	LGWWF00
30x60cm 12"x24"		9,5mm	NAT	LGVWFN2	LGVWFN3	LGVWFN1	LGVWFN0
			LAPP	LGVWFX2	LGVWFX3	LGVWFX1	LGVWFX0
90x90cm 36"x36"		9,5mm	NAT	LGGWFN2	LGGWFN3	LGGWFN1	LGGWFN0
			LAPP	LG9WFX2	LG9WFX3	LG9WFX1	LG9WFX0
45x90cm 18"x36"		9,5mm	NAT	LGGWFN2	LGGWFN3	LGGWFN1	LGGWFN0
			LAPP	LGGWFX2	LGGWFX3	LGGWFX1	LGGWFX0
60x60cm 24"x24"		20mm	GRIP	LGWK2W5	LGWWF36	LGWK2W3	LGWK2W1
90X90cm 36"x36"		20mm	GRIP	LG9K220	LG9K230	LG9K210	LG9K200
45X90cm 18"x36"		20mm	GRIP	LGGK220	LGGK230	LGGK210	LGGK200

Formati speciali / Special sizes

				Ivory Flow	Silver Flow	Gray Flow	Dark Flow
							
Gramma 72 14,5x49,8cm 5 ^{45/64} "x19 ^{1/2} "		9,5mm	NAT	LGZWF72	LGZWF73	LGZWF71	LGZWF70
Gramma 66 sx 16,9x39,2cm 6 ^{5/8} "x15 ^{3/8} "		9,5mm	NAT	LGZWFS2	LGZWFS3	LGZWFS1	LGZWFS0
Gramma 66 dx 16,9x39,2cm 6 ^{5/8} "x15 ^{3/8} "		9,5mm	NAT	LGZWFD2	LGZWFD3	LGZWFD1	LGZWFD0
Gramma 16 sx 8,3x19,5cm 3 ^{1/4} "x7 ^{5/8} "		9,5mm	NAT	LGOWFS2	LGOWFS3	LGOWFS1	LGOWFS0
Gramma 16 dx 8,3x19,5cm 3 ^{1/4} "x7 ^{5/8} "		9,5mm	NAT	LGOWFD2	LGOWFD3	LGOWFD1	LGOWFD0

Mosaici / Mosaics

				Ivory Flow	Silver Flow	Gray Flow	Dark Flow
							
Muretto		30x60cm 12"x24"	NAT	LG9WFM7	LG9WFM8	LG9WFM6	LG9WFM5
			LAPP	LG9WFM2	LG9WFM3	LG9WFM1	LG9WFM0
Muretto 3D		30x60cm 12"x24"	NAT	LGVWFD7	LGVWFD8	LGVWFD6	LGVWFD5
			LAPP	LGVWFD2	LGVWFD3	LGVWFD1	LGVWFD0
Brick		30x60cm 12"x24"	NAT	LGVWF25	LGVWF35	LGVWF15	LGVWF05
			LAPP	LGVWF20	LGVWF30	LGVWF10	LGVWF00
Mosaico 36		30x30 cm 12"x12"	NAT	LGCWF25	LGCWF35	LGCWF15	LGCWF05
			LAPP	LGCWF20	LGCWF30	LGCWF10	LGCWF00

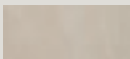
*superfici mixate: nat + dot + line + mark / Mixed surfaces: nat + dot + line + mark

Pezzi Speciali / Trims

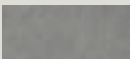
Spessore/thickness: 9,5mm

 gres porcellanato

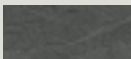
Ivory Flow



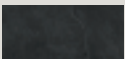
Silver Flow



Gray Flow

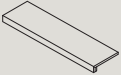
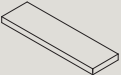
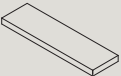


Dark Flow



Sezione gradino
4cm / 1^{9/16}"



Battiscopa		10x60cm 4"x24" rett	NAT	LGBWFN2	LGBWFN3	LGBWFN1	LGBWFN0
			LAPP	LGBWFL2	LGBWFL3	LGBWFL1	LGBWFL0
Gradino Plus*		35x120cm 13 ^{3/4} "x48" rett	NAT	LG8WF20	LG8WF30	LG8WF10	LG8WF00
			LAPP	LG8WF70	LG8WF80	LG8WF60	LG8WF50
Angolo dx Gradino Plus*		35x120cm 13 ^{3/4} "x48" rett	NAT	LG8WF21	LG8WF31	LG8WF11	LG8WF01
			LAPP	LG8WF71	LG8WF81	LG8WF61	LG8WF51
Angolo sx Gradino Plus*		35x120cm 13 ^{3/4} "x48" rett	NAT	LG8WF22	LG8WF32	LG8WF12	LG8WF02
			LAPP	LG8WF72	LG8WF82	LG8WF62	LG8WF52
Gradino Plus*		35x60cm 13 ^{3/4} "x24" rett	GRIP	LG2WF20	LG2WF30	LG2WF10	LG2WF00
Angolo Gradino Plus*		35x60cm 13 ^{3/4} "x24" rett	GRIP	LG2WF21	LG2WF31	LG2WF11	LG2WF01

* Su richiesta. Per maggiori informazioni circa quantità minime e tempi di consegna rivolgersi all'ufficio commerciale. / Upon request. For more information about minimum quantities and delivery times please contact the sales department.

Pezzi Speciali / Trims

Spessore/thickness: 20mm

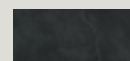
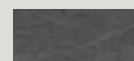
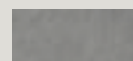
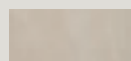
 L2

Ivory Flow

Silver Flow

Gray Flow

Dark Flow



Griglia*	 15x45cm 6"x18" rett	GRIP	LGDK2Z2	LGDK2Z3	LGDK2Z1	LGDK2Z0
Griglia Angolare sx*	 15x45cm 6"x18" rett	GRIP	LGDK2A5	LGDK2A7	LGDK2A3	LGDK2A1
Griglia Angolare dx*	 15x45cm 6"x18" rett	GRIP	LGDK2A4	LGDK2A6	LGDK2A2	LGDK2A0
Costa Toro*	 30x90cm 12"x36" rett	GRIP	LGFK2F2	LGFK2F3	LGFK2F1	LGFK2F0
Costa Toro Angolare sx*	 30x90cm 12"x36" rett	GRIP	LGFK2K5	LGFK2K7	LGFK2K3	LGFK2K1
Costa Toro Angolare dx*	 30x90cm 12"x36" rett	GRIP	LGFK2K4	LGFK2K6	LGFK2K2	LGFK2K0
Costa Retta*	 30x90cm 12"x36" rett	GRIP	LGFK2C2	LGFK2C3	LGFK2C1	LGFK2C0
Costa Retta Angolare sx*	 30x90cm 12"x36" rett	GRIP	LGFK2D5	LGFK2D7	LGFK2D3	LGFK2D1
Costa Retta Angolare dx*	 30x90cm 12"x36" rett	GRIP	LGFK2D4	LGFK2D6	LGFK2D2	LGFK2D0
Costa Toro Step*	 30x90cm 12"x36" rett	GRIP	LGFK2J2	LGFK2J3	LGFK2J1	LGFK2J0
Costa Retta Step*	 30x90cm 12"x36" rett	GRIP	LGFK2G2	LGFK2G3	LGFK2G1	LGFK2G0



P R () T E C T

L'esclusiva tecnologia Panariagroup per pavimenti e rivestimenti antibatterici ad altissime performance. Per un abitare sano, sicuro e protetto.

The exclusive Panariagroup technology for antimicrobial floor and wall coverings with the highest performance. To live healthy, safe and secure.



Azione potente.

Elimina i batteri e ne impedisce la proliferazione

Powerful action.

Eliminates microbes and prevents their reproduction



Efficacia eterna.

Grazie alla tecnologia integrata in modo permanente nel prodotto

Eternal effectiveness.

Thanks to the technology permanently integrated into the product



Protezione continua.

Sempre attivo, 24 ore su 24, con e senza luce solare

Continuous protection.

Always active, 24 hours a day, with and without sunlight



Qualità garantita

dalla partnership

CON MICROBAN®

Guaranteed quality

by the partnership
with MICROBAN®

PANARIAgroup

www.protect.panariagroup.it

LASTRE SOTTILI DI QUALITÀ SUPERIORE. Gres porcellanato laminato in grande formato: un materiale leggero, versatile e resistente per nuove prospettive progettuali nel mondo dell'architettura e dell'abitare.

/ SUPERIOR QUALITY THIN CERAMIC SLABS.

Large-sized laminated porcelain stoneware: a light, resistant and versatile product for new design perspectives in the world of architecture and housing.

1. Massimi standard qualitativi e prestazionali. Grazie all'utilizzo di materie prime pregiate

/ Highest standards in quality and performance.
Thanks to the use of the best raw materials

2. Lastre supercompatte ed elastiche. Grazie a un processo di pressatura unico

/ Highly compact and elastic slabs.
Thanks to a unique pressing process

3. Eccellente resa estetica dei materiali. Grazie a tecniche esclusive di lavorazione delle superfici

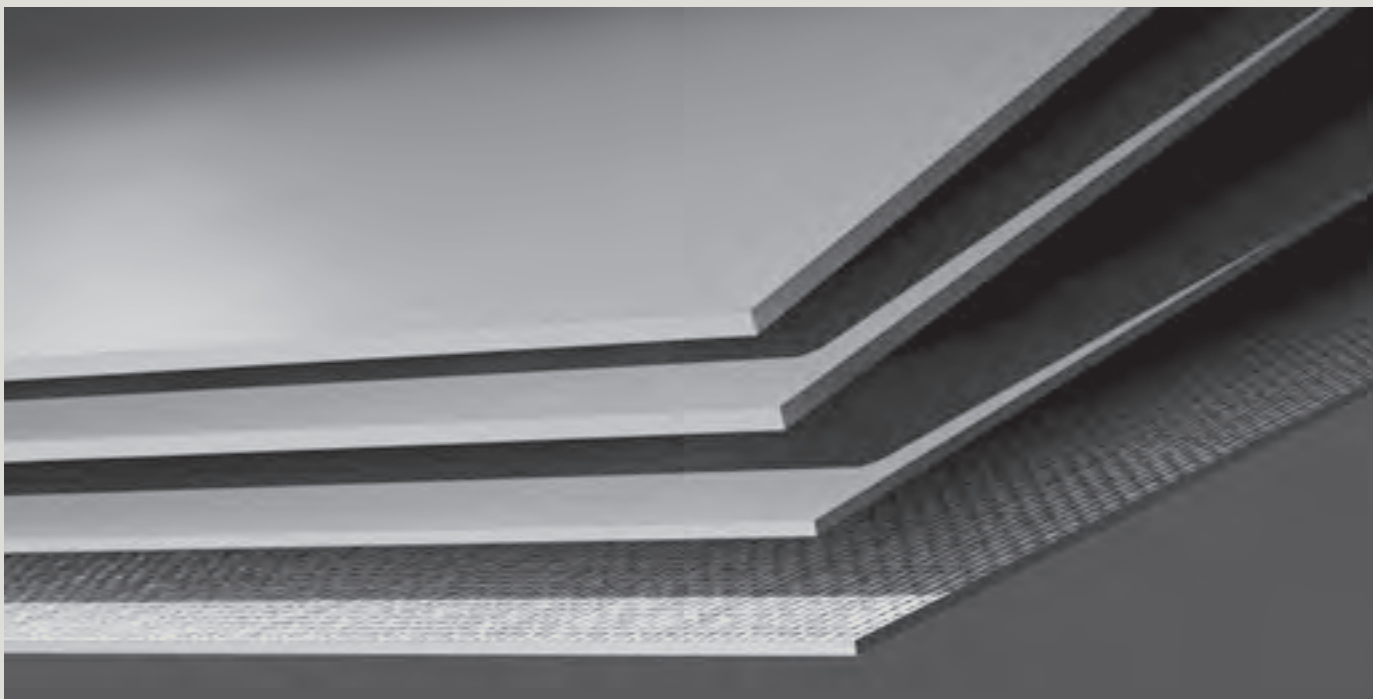
/ Excellent aesthetic look of the products.
Thanks to exclusive surface treatment technologies

4. Straordinaria extra-resistenza. Grazie al rinforzo in fibra di vetro

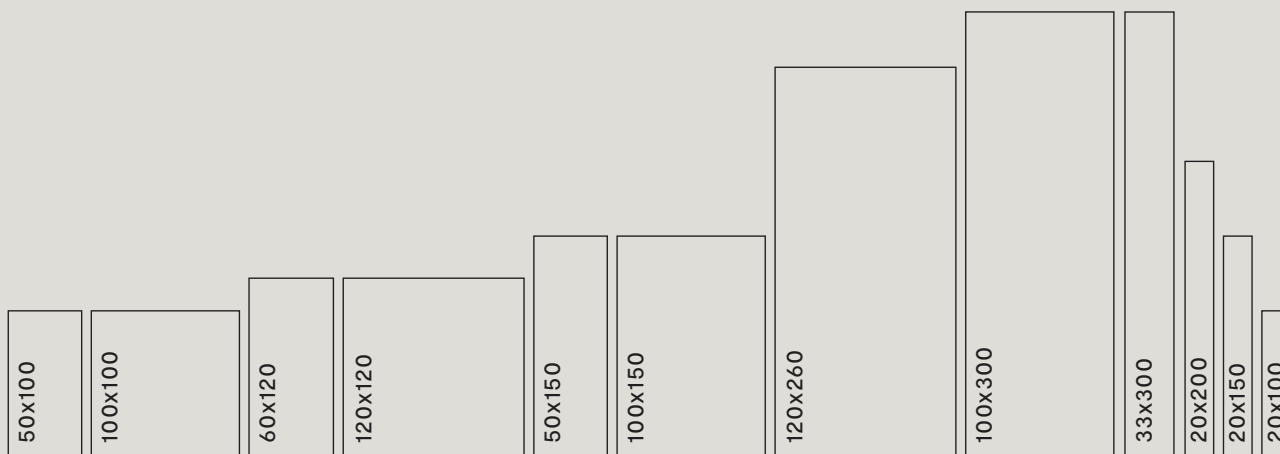
/ Extraordinary added resistance.
Thanks to the reinforcing fibreglass mesh

5. Alta sostenibilità ambientale. Meno materie prime utilizzate, minor consumo di acqua ed energia, minori emissioni di CO₂

/ Highly Eco-friendly.
Less raw materials used, lower water and energy consumption and lower CO₂ emissions



Formati / Sizes (cm)



 SLIMTECH

6mm

Sottile e resistente.

Thin and resistant.

 SLIMTECH

3.5mm

 SLIMTECH

5.5mm



Ultrasottile e ultraresistente.
Con rinforzo in fibra di vetro.

Ultra-thin and ultra-resistant.
With fibreglass mesh reinforcement.

GRES PORCELLANATO 20MM PER OUTDOOR.

Garantisce infinite soluzioni applicative senza il rischio di rotture ed è ideale per la continuità estetica tra gli ambienti interni e quelli esterni.

Resistente al gelo e agli sbalzi termici, presenta elevate caratteristiche antiscivolo, preserva la materia e il colore inalterati nel tempo ed è facile da pulire.

/20 MM THICK PORCELAIN STONEWARE FOR OUTDOORS.

It guarantees infinite application solutions without the risk of cracks and is ideal for ensuring aesthetic continuity between indoor and outdoor spaces. Resistant to freezing and changes in temperature, it has notable non-slip properties, maintains the material and the colours intact over time, and is easy to clean.

Vantaggi / Plus

1. Altissima resistenza ai carichi di rottura.

/ Highly resistant to heavy loads.

2. Elevata resistenza meccanica.

/ Superior mechanical strength.

3. Elevata resistenza allo scivolamento.

/ High slip resistance.

4. Resistente al gelo.

/ Frost-resistant.

5. Resistente al fuoco.

/ Fire resistant.

6. Resistente agli sbalzi termici, agli agenti atmosferici, agli acidi, alle muffe e al sale.

/ Resistant to thermal shock, atmospheric agents, acids, mould and salt.

7. Eccezionale resistenza alle macchie.

/ Exceptional resistance to stains.

8. Carrabile quando incollato su massetto.

/ Resistant to vehicular passage when applied to a screed with adhesives.

9. Facile da installare, rimuovere e riutilizzare.

/ Easy to install, remove and reuse.

10. Facile da pulire.

/ Easy to clean.

11. Eterno: materia e colori stabili nel tempo.

/ Eternal: the product and its colours are stable over time.

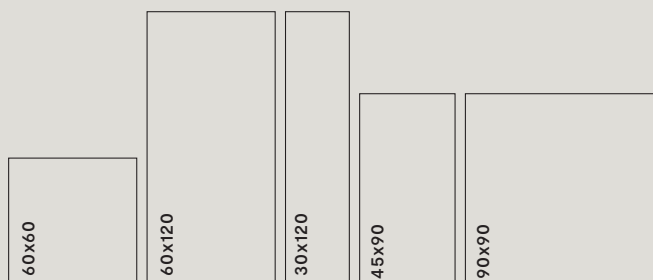
12. Ecologico: creato nel rispetto e per la salvaguardia dell'ambiente.

/ Eco-friendly: manufactured in a way which respects and sustains the environment.

13. Abbinabile ai prodotti da interno per un perfetto coordinamento estetico senza interruzioni.

/ Can be combined with products for interior spaces seamlessly and without interruptions.

Formati / Sizes (cm)





Caratteristiche tecniche / Technical characteristics



Gres porcellanato laminato UGL
rinforzato con fibra di vetro
/Laminated porcelain stoneware UGL
reinforced with fibreglass
SLIMTECH 5,5mm

Conforme/according to:
ISO 13006 G (Gruppo/Group Bla) / EN 14411 G (Gruppo/Group Bla UGL)
ANSI A137.3 (**gauged porcelain tiles /panels /slabs)

	Metodo di prova /Test method	Requisiti prescritti /Required values	Valori medi /Average values
 Assorbimento d'acqua /Water absorption	ISO 10545-3 ASTM C373	≤ 0,5%	0,1%
 Resistenza a flessione /Modulus of rupture	ISO 10545-4 ASTM C1505	≥ 35 N/mm ² ≥ 6.000 PSI	50 N/mm ² ≥ 6.000 PSI
 Resistenza all'abrasione profonda /Resistance to deep abrasion	ISO 10545-6 ASTM C1243	≤ 175 mm ³	Conforme/conforms
 Dilatazione termica lineare /Linear thermal expansion	ISO 10545-8 ASTM C372	Requisito non previsto/No provision Requisito non previsto/No provision	$\alpha \leq 7 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$ $\alpha \leq 4.4 \times 10^{-6} \text{ }^{\circ}\text{F}^{-1} / \alpha \leq 8 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$
 Resistenza alle macchie /Stain resistance	ISO 10545-14 ASTM C1378	Classe/Class 3 Min. Come indicato dal produttore /As indicated by manufacturer	5 Resistente/Resistant Class A Resistente/Resistant
 Resistenza all'attacco chimico* /Chemical resistance	ISO 10545-13 ASTM C650	Come indicato dal produttore /As indicated by manufacturer Come indicato dal produttore /As indicated by manufacturer	LA—HA Resistente/Resistant Class A Resistant
 Resistenza al gelo /Frost resistance	ISO 10545-12 ASTM C1026	Nessuna alterazione/No alteration Come indicato dal produttore /As indicated by manufacturer	Resistente/Resistant Resistant
 Resistenza allo scivolamento /Slip resistance	DIN 51130 BCR-TORTUS ANSI A326.3	— — —	R10 $\mu > 0,40 \text{ Nat}$ DCOF ≥ 0.42 Nat
 Reazione al fuoco /Fire reaction	EN 13823 EN 9239-1	CPR (UE) 305/2011, 2000/147/CE, UNI EN 13501-1	A1 (wall) A1 _{fl} (floor)
 /Flame spread	ASTM E84	—	Class A
 Robinson floor tester	ASTM C627	Come indicato dal produttore /As indicated by manufacturer	≥ 12 Cycles Heavy Commercial (over concrete)
 Conducibilità termica /Thermal conductivity	EN 12524	—	$\lambda = 1,3 \text{ W/m}^{\circ}\text{K}$ 0.7 BTU/ft h° F
 Stonalizzazione /Shade variation	ANSI A137.3	Come indicato dal produttore /As indicated by manufacturer	V3 Variazioni moderate / Moderate variation

Fuga minima consigliata: vedi Manuale Tecnico Slimtech/minimum suggested joint: refer to Slimtech Technical Manual.

*Ad esclusione dell'acido fluoridrico e derivati/excluding hydrofluoric acid and its derivatives

Caratteristiche tecniche / Technical characteristics



Gres tutta massa UGL / Full-body
porcelain UGL

Conforme / According to: ISO 13006 G (Gruppo/Group Bla)
EN 14411 G (Gruppo/Group Bla)
ANSI A137.1 Porcelain tiles (P1 Class)

	Metodo di prova /Test method	Requisiti prescritti /Required values	Valori medi /Average values
Assorbimento d'acqua /Water absorption	ISO 10545-3 ASTM C373	≤ 0,5%	0,05%
Sforzo di rottura S /Breaking strength	ISO 10545-4 ASTM C1505	≥ 1300 N/mm ² ≥ 250 lbf	2.200 N 9,5mm 13.600 N 20mm 500 lbf 9,5mm 2,800 lbf 20mm
Resistenza a flessione /Modulus of rupture	ISO 10545-4	≥ 35 N/mm ²	50 N/mm ²
Resistenza all'abrasione profonda /Resistance to deep abrasion	ISO 10545-6 ASTM C1243	≤ 175 mm ³	145 mm ³
Dilatazione termica lineare /Linear thermal expansion	ISO 10545-8 ASTM C372	Requisito non previsto/No provision Requisito non previsto/No provision	$\alpha \leq 7 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$ $\alpha \leq 4,4 \times 10^{-6} \text{ }^{\circ}\text{F}^{-1} / \alpha \leq 8 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$
Resistenza alle macchie /Stain resistance	ISO 10545-14 ASTM C1378	Classe/Class 3 Min. Come indicato dal produttore /As indicated by manufacturer	5 Resistente/Resistant Class A Resistente/Resistant
Resistenza all'attacco chimico* /Chemical resistance	ISO 10545-13 ASTM C650	Come indicato dal produttore /As indicated by manufacturer Come indicato dal produttore /As indicated by manufacturer	LA—HA Resistente/Resistant Class A Resistant
Resistenza al gelo /Frost resistance	ISO 10545-12 ASTM C1026	Nessuna alterazione/No alteration Come indicato dal produttore /As indicated by manufacturer	Resistente/Resistant Resistant
Resistenza allo scivolamento /Slip resistance	DIN 51130 DIN 51097 BCR-TORTUS ANSI A326.3 AS/NZS 4586:2013 BS 7976:2002	— — — — — —	R10 (nat.) / R11 (grip - 20mm) A+B (nat.) / A+B+C (grip - 20mm) $\mu > 0,40$ (nat. - grip - 20mm) DCOF ≥ 0.42 (nat. - grip - 20mm) P3 (nat.) / P4 (grip - 20mm) PTV 36+ WET (Sl.96) (nat.)
Reazione al fuoco /Fire reaction	EN 13823 EN 9239-1	CPR (UE) 305/2011, 2000/147/CE, UNI EN 13501-1	Classe / Class A1 (wall) Classe / Class A1 ^{fl} (floor)
Diffusione di fiamma /Flame spread	ASTM E84	No provision	Class A
Robinson floor tester	ASTM C627	Come indicato dal produttore /As indicated by manufacturer	≥ 14 cycles Extra Heavy Commercial (over concrete)
Conducibilità termica /Thermal conductivity	EN 12524	—	$\lambda = 1,3 \text{ W/m}^{\circ}\text{K}$ 0.7 BTU/ft h° F
Fuga minima consigliata (**) recommended minimum joint (**)	INDOOR OUTDOOR	— —	2mm 5mm circa/ approx.
Stonalizzazione /Shade variation	ANSI A137.1	Come indicato dal produttore /As indicated by manufacturer	V3 Variazioni sostanziali /Substantial variation

(*) ad esclusione dell'acido fluoridrico e derivati / excluding hydrofluoric acid and its derivatives

(**) salvo diversa indicazione dei Codici di Posa Nazionali. La larghezza delle fughe deve comunque essere decisa dalla Direzione Lavori
the width of grout joints must be established by the installation supervisor, unless grout widths are regulated by national laying standards

Imballi / Packing



Articolo	Scatola			Pallet				
	cm	inch	pz.	mq	kg	scat.	mq	kg
Fondo 5plus	100x300	39"x118"	1	3,00	34,5	13	39,0	448,5
Fondo 5plus	100x100	39"x39"	2	2,00	23,0	25	50,0	575,0
Fondo 5plus	50x100	19 1/2"x39"	3	1,50	18,9	32	48,0	604,8



Articolo	Scatola			Pallet				
	cm	inch	pz.	mq	kg	scat.	mq	kg
Fondo	60x120	24"x48"	2	1,44	32,1	36	51,8	1.156,3
Fondo	90x90	36"x36"	2	1,62	36,2	25	40,5	905,7
Fondo	45x90	18"x36"	3	1,22	27,1	30	36,5	814,3
Fondo	60x60	24"x24"	4	1,44	31,8	32	46,1	1.017,6
Fondo	30x60	12"x24"	8	1,44	31,8	32	46,1	1.017,6
Muretto	30x60	12"x24"	4	0,72	15,7	30	21,6	471,0
Muretto 3d	30x60	12"x24"	4	0,68	15,7	30	20,5	471,0
Brick	30x60	12"x24"	4	0,72	15,7	30	21,6	471,0
Mosaico 36	30x30	12"x12"	5	0,45	9,0	60	27,0	542,9
Gamma 72	14.5x49.8	5 3/4"x19 1/2"	14	1,01	20,8	32	32,3	665,9
Gamma 66	16.9x39.2	6 5/8"x15 3/8"	10	0,66	14,9	40	26,4	597,1
Gamma 16	8.3x19.5	3 1/4"x7 5/8"	14	0,22	5,1	80	17,9	405,3
Battiscopa	10x60	4"x24"	12	7,2 m.l.	14,5	60	432 m.l.	868,6
Gradino plus	35x120	13 3/4"x48"	2	0,84	21,0	16	13,4	335,8
Angolo gradino plus	35x120	13 3/4"x48"	1	0,42	11,2	16	6,7	179,5
Gradino plus	35x60	13 3/4"x24"	4	0,84	19,2	16	13,4	306,9
Angolo gradino plus	35x35	13 3/4"x13 3/4"	2	0,25	6,1	36	8,8	218,2
Fondo (20mm)	90x90	36"x36"	1	0,81	37,3	30	24,3	1.119,0
Fondo (20mm)	45x90	18"x36"	2	0,81	36,2	24	19,4	869,5
Fondo (20mm)	60x60	24"x24"	2	0,72	32,5	32	23,0	1.040,0

Certificazioni / Certifications

 UNI EN ISO 14001:2015 CERTIFIED ENVIRONMENTAL MANAGEMENT SYSTEM ISO 14001	 UNI EN ISO 9001:2015 CERTIFIED QUALITY MANAGEMENT SYSTEM ISO 9001	 EN 14411 Marchio CE*	 Ceramics of Italy
  Leed**	 GESTIONE AMBIENTALE VERIFICATA reg. n. IT-0004061 Stabilimento di Florano M. (MO)	 GESTIONE AMBIENTALE VERIFICATA reg. n. IT-000309 Stabilimento di Finale E. (MO)	 GESTIONE AMBIENTALE VERIFICATA reg. n. IT-000209 Stabilimento di Toano (RE)
			 EPD*** PANARIAgroup

*MARCHIO CE Le DOP sono disponibili sul sito internet/DOP are available on the website www.ceramichelea.it

**LEED , è membro di GBC Italia, organizzazione che promuove sul territorio italiano la realizzazione di edifici nel rispetto dell'ambiente, della salute e del benessere delle persone che ci vivono e lavorano./ is a member of the U.S. Green Building Council: this is an organization that promotes buildings that are environmentally responsible, profitable and healthy places to live and work.

***EPD I prodotti possiedono Dichiarazione Ambientale di Prodotto (EPD) specifica di tipo III, certificata da ente terzo indipendente secondo le normative ISO EN 14025 e EN 15804. Disponibile su richiesta.

products have a type III specific Environmental Product Declaration (EPD). This is certified by an independent third party according to ISO EN 14025 and EN 15804 standards. Available on request.

Destinazioni d'uso Slimtech / Slimtech intended uses



Posa a pavimento
Floor installation

Situazioni applicative sia per interventi di nuova costruzione che di ristrutturazioni con posa in sovrapposizione a pavimenti preesistenti.

For new buildings and refurbishing, for installation on pre-existing floors.

IN INTERNO

Residenziale (cucine, bagni, living, aree comuni condominiali, ed ogni altro ambiente di uso residenziale)

Commerciale leggero (uffici, uffici aperti al pubblico, sale d'attesa, negozi, bagni, sale di ristoranti, autosaloni, bar, cinema, ambulatori, cliniche)

Commerciale intensivo (aree comuni di centri commerciali, hall di alberghi, mense, fast food, discoteche, ospedali.)
Ad esclusione di zone sottoposte al passaggio di carichi pesanti concentrati (ad es. carrelli a ruote dure)

IN ESTERNO

A condizione che le superfici siano coperte (es. logge, balconi coperti, ecc.) e perfettamente impermeabilizzate. Si consiglia l'utilizzo di formati con lati non superiori a 120cm.

INTERIORS

Residential (kitchens, bathrooms, living rooms, common apartment block areas and any other residential environment)

Light Commercial (offices, offices open to the general public, waiting rooms, shops, bathrooms, restaurant dining rooms, bars, car showrooms, cinemas, surgeries/clinics)

Intensive commercial. (common areas of shopping centres, hotel halls, canteens, fastfood restaurants, dance clubs, hospitals.)
With the exception of areas subject to heavy concentrated loads (e.g. trolleys with hard wheels)

EXTERIORS

Upon condition that surfaces are sheltered (e.g. loggias, covered balconies, etc.) and made totally impervious. We recommend the use of sizes that have sides not exceeding 120cm.



Posa a parete
Wall installation

IN INTERNO

Qualunque ambiente residenziale e commerciale.

INTERIORS

Any residential and commercial environment.

Destinazioni speciali Slimtech / Slimtech Special uses



Facciate ventilate*
Ventilated facades



Rivestimenti termici a cappotto
External wall thermal insulation system



Rivestimenti vasche piscine
Bathtubs and swimming pool cladding



Superfici da rivestire nel settore dell'arredamento
For furniture surfaces

Destinazioni speciali/Special uses: in funzione delle specifiche del progetto, in abbinamento a sistemi costruttivi indicati da Panariagroup e approvati dalla Direzione Lavori/depending on project specifications and in combination with the construction systems recommended by Panariagroup and approved by the Installation Supervisor. *Solo dopo l'applicazione della rete in fibra di vetro/only after the application of fiberglass mesh.

Impieghi grès porcellanato / Uses



Alberghi
Hotels



Locali pubblici
Public spaces



Abitazioni
Housing



Aeroporti
Airports



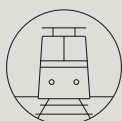
Bar - Ristoranti
Bar - Restaurants



Centri commerciali
Malls



Negozi
Shops



Stazioni
Train stations

Impieghi L2 / Uses



Vialetti
Walkways



Parcheggi
Parcking areas



Parchi pubblici - giardini
Public parks - gardens



Terrazze
Terraces



Camminamenti piscine
Pool decks



Zone industriali
Industrial areas



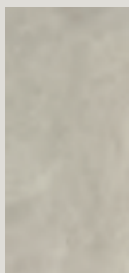
Stabilimenti balneari
Beach resorts



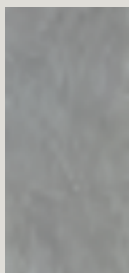
Aree urbane
Urban areas

Colori / Colors

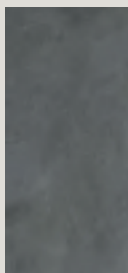
Ivory
Flow



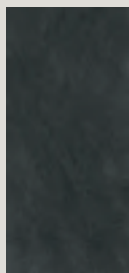
Silver
Flow



Gray
Flow



Dark
Flow



Formati / Sizes ^{LR}

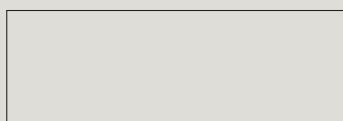
Fondi/Plain Tiles



50x100cm
19 1/2" x 39"



100x100cm
39" x 39"



100x300cm
39" x 118"



Gres porcellanato laminato rinforzato con fibra di vetro
Laminated porcelain stoneware reinforced with fibreglass
Spessore/thickness: 5,5mm / slimtech 5plus



SLIMTECH



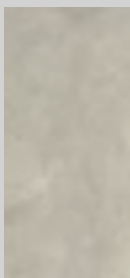
PR()TECT

SUPERFICIE ANTIBATTERICA
ANTIMICROBIAL SURFACE
with MICROBIO[®]

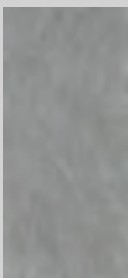
Waterfall overview

Colori / Colors

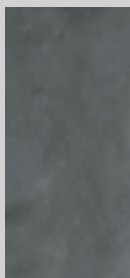
Ivory
Flow



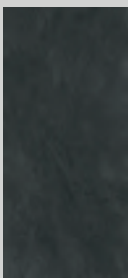
Silver
Flow



Gray
Flow



Dark
Flow



Formati / Sizes ^{L^{RT}}

Fondi/Plain Tiles



30x60cm
12"x24"
NAT/LAPP



60x60cm
24"x24"
NAT/LAPP/GRIP



60x120cm
24"x48"
NAT/LAPP



45x90cm
18"x36"
NAT/LAPP



90x90cm
36"x36"
NAT/LAPP

Formati speciali/Special sizes



14,5x49,8cm
5^{3/4}"x19^{1/2}"
NAT



16,9x39,2cm
6^{5/8}"x15^{3/8}"
NAT



8,3x19,5cm
3^{1/4}"x7^{5/8}"
NAT

Fondi/Plain Tiles

L2  20mm



60x60cm
24"x24"
GRIP



90x90cm
36"x36"
GRIP



45x90cm
18"x36"
GRIP

Mosaici/Mosaics

Muretto



30x60 cm
12"x24"
NAT/LAPP

Muretto 3d



30x60 cm
12"x24"
NAT/LAPP

Brick



30x60 cm
12"x24"
NAT/LAPP

Mosaico 36



30x30 cm
12"x12"
NAT/LAPP



Gres porcellanato
Porcelain stoneware
Spessore/thickness: 9,5mm



Gres porcellanato spessorato
Extra thick porcelain stoneware
Spessore/thickness: 20mm

P R () T E C T

SUPERFICIE ANTIBATTERICA
ANTIMICROBIAL SURFACE
with **MICROBAST**

