

# WATERFALL

**MATERIA MUTEVOLE**  
*VARIABLE MATERIAL*



**LEA**  
CERAMICHE

# Un progetto senza limiti.

**A project  
without limits.**

La continua ricerca tecnologica di Lea Ceramiche completa il progetto di superfici Waterfall con Slimtech 5plus. Waterfall accresce il proprio valore assumendo il ruolo di "sistema di superfici"; dalle eccezionali lastre 100x300 cm fino ai formati della linea System L2 in 20 mm, Lea Ceramiche offre al progettista un rivestimento che non ha limiti di applicazione: facciate esterne ed interne, pavimentazioni soggette ad alto calpestio, superfici outdoor che esigono sicurezza e durata. La pietra in grès porcellanato Lea Ceramiche unisce libertà progettuale, qualità tecnica e bellezza inesauribile.

The continuous technological research by Lea Ceramiche completes the Waterfall surfaces project by offering it on Slimtech 5plus. Waterfall increases its value by taking on the role of a "surface system"; with the exceptional 100x30 cm slabs and the 20 mm thick L2 System line. Lea Ceramiche gives to the designer a covering product that knows no boundaries. The product can be used in a wide range of applications, from exterior and interior façades, to high traffic flooring, to outdoor surfaces that need to be safe and durable. The Lea Ceramiche porcelain stoneware stone combines design freedom, technical quality and inexhaustible beauty.

# Tre spessori protagonisti dello spazio e una superficie che armonizza la precisione estetica tra indoor e outdoor.

Three thicknesses that are the leading elements of space and a surface that harmonizes the aesthetic precision between indoor and outdoor areas.



## Gres porcellanato 10,5mm

Waterfall coniuga la naturale bellezza della pietra alla funzionalità del grès porcellanato in spessore tradizionale 10,5 mm. Quattro armoniose nuance che completano gli spazi residenziali più intimi e le grandi superfici pubbliche, in costante armonia con la natura e l'architettura che le circonda.



## Gres spessorato 20mm

La superficie da esterno spessorata coniuga performance tecniche e bellezza autentica. Oltre a garantire totale accordo tra interno ed esterno, i formati della linea System L2 in 20 mm sono immuni agli sbalzi termici, sono robusti e carrabili, perfetti per tutte le aree piscina e gardening che richiedono affidabilità e impeccabile "total look".



## Gres porcellanato laminato 5,5mm

Grazie alle straordinarie dimensioni record e allo spessore 5,5 mm, Waterfall è in grado di rivestire qualsiasi superficie. Il grès laminato Slimtech 5plus di Lea Ceramiche è duttile, leggero e facile da tagliare, come un vestito su misura abbraccia i progetti architettonici che cercano la perfetta coordinazione tra pareti, pavimenti e complementi d'arredo.



## 10,5mm Porcelain stoneware

Waterfall combines the natural beauty of stone with the functionality of traditional 10.5 mm thick porcelain stoneware. Four harmonious nuances complete the most intimate residential spaces and large public surfaces, in constant harmony with nature and the architecture that surrounds it.



## 20mm Porcelain stoneware

The thickened outer surface combines technical performance and authentic beauty. In addition to ensuring complete interconnection between the indoors and the outdoors, the formats of the 20 mm L2 System line are immune to thermal shocks, they are robust and are resistant to vehicular passage, perfect for all pool and garden areas that require reliability and an impeccable "total look".



## 5,5mm Laminated porcelain stoneware

Due to the extraordinary record size and the 5.5 mm thickness, Waterfall is able to cover any surface. Slimtech 5plus laminated porcelain stoneware by Lea Ceramiche is ductile, lightweight and easy to cut, just like a customized dress, it embraces the architectural designs that seek perfect coordination between walls, floors and furnishing accessories.



## Una materia che attrae architettura e design.

**A material that  
attracts architecture  
and design.**

Waterfall rievoca l'armonia dell'ardesia. Le superfici in grès porcellanato Lea Ceramiche riproducono gli effetti cangianti tipici delle pietre rocciose sedimentarie riflettendo texture, irregolarità e variazioni di colori nati dal trascorrere del tempo. Waterfall è una materia sincera e generosa perché moltiplica le potenzialità progettuali mantenendosi in costante equilibrio tra funzionalità tecnica e magnetica bellezza.

Waterfall recalls the harmony of slate. The Lea Ceramiche porcelain stoneware surfaces reproduce the shimmering effects of sedimentary rock stones by reflecting textures, irregularities and colour variations created through time. Waterfall is a sincere and generous material because it multiplies the design potential while maintaining a constant balance between technical functionality and magnetic beauty.





# WATERFALL

Un formato per ogni progetto.  
A format for all projects.

4

## COLORI / COLORS

ivory flow  
silver flow  
gray flow  
dark flow

3

## FINITURE / FINISHES

naturale  
lappato  
grip

## 10,5 mm GRES PORCELLANATO

|          |         |
|----------|---------|
| 90x90cm  | 36"x36" |
| 60x120cm | 24"x48" |
| 45x90cm  | 18"x36" |
| 60x60cm  | 24"x24" |
| 30x60cm  | 12"x24" |

## 5,5 mm GRES PORCELLANATO LAMINATO

|           |                         |
|-----------|-------------------------|
| 100x300cm | 39"x118"                |
| 100x100cm | 39"x39"                 |
| 50x100cm  | 19 <sup>1/2</sup> "x39" |

## 20 mm GRES SPESSORATO

|         |         |
|---------|---------|
| 90x90cm | 36"x36" |
| 45x90cm | 18"x36" |
| 60x60cm | 24"x24" |





# WATERFALL SLIMTECH

Uno spessore per ogni situazione.

A thickness for all situations.





**Le forme  
solenni  
contengono  
dettagli  
esclusivi  
di puro  
design.**

**The solemn shapes  
contain exclusive details  
of pure design.**



**SILVER FLOW**

100x300cm / 39"x118" nat







**SILVER FLOW**

100x300cm / 39"x118" nat





**SILVER FLOW**

100x300cm / 39"x118" nat







# Nuove tecnologie evocano il fascino del tempo e dello spazio.

New technologies  
evoke the charm of  
time and space.



**GRAY FLOW**

100x100cm / 39"x39" nat

**IVORY FLOW**

100x300cm / 39"x118" nat

**DARK FLOW**

100x300cm / 39"x118" nat





**GRAY FLOW**  
100x100cm / 39"x39" nat

**IVORY FLOW**  
100x300cm / 39"x118" nat

**DARK FLOW**  
100x300cm / 39"x118" nat





**GRAY FLOW**

100x100cm / 39"x39" nat

**DARK FLOW**

100x300cm / 39"x118" nat





# Creatività e ingegno diventano forma, sostanza e stile.

Creativity and ingenuity turn into shape, substance and style.

## DARK FLOW

60x120cm / 24"x48" lapp rett.

## IVORY FLOW



## NEST

ettagono L 25cm / 10"  
50x43,2cm / 19<sup>1</sup>/<sub>2</sub>"x17"  
triangolo L 25cm / 10"







## IVORY FLOW



**NEST**  
ettagono L 25cm / 10"  
50x43,2cm / 19<sup>1</sup>/<sub>2</sub>"x17"  
triangolo L 25cm / 10"





### DARK FLOW

60x120cm / 24"x48" lapp rett.

### IVORY FLOW



**NEST**  
 ettagono L 25cm / 10"  
 50x43,2cm / 19 1/2"x17"  
 triangolo L 25cm / 10"





**DARK FLOW**

30x60cm / 12"x24" lapp rett.  
mosaico 36  
30x30cm / 12"x12" lapp rett.  
60x60cm / 24"x24" lapp rett.

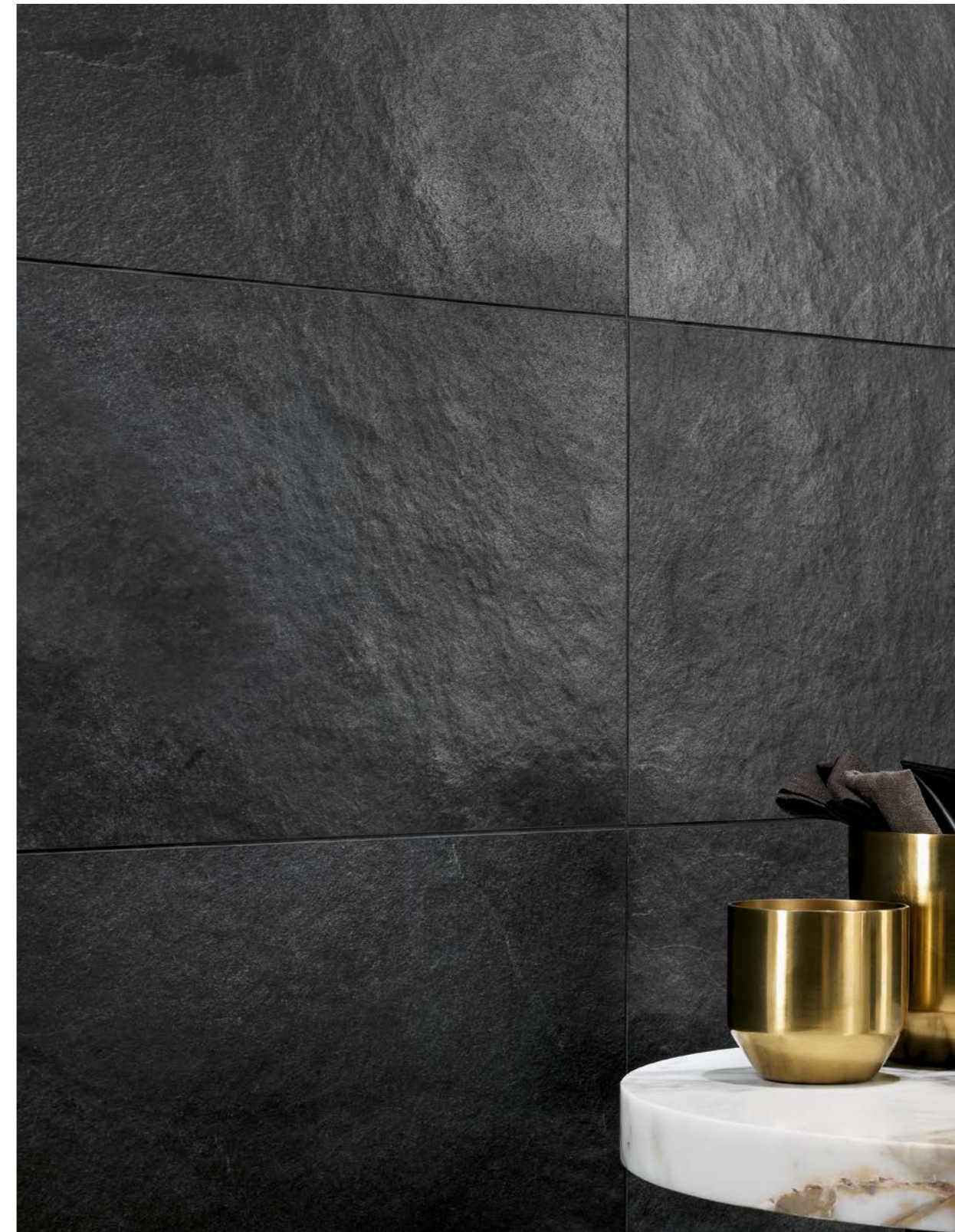






## DARK FLOW

60x60cm / 24"x24" lapp rett.  
30x60cm / 12"x24" lapp rett.





**Il design  
spezza  
l'ovvietà  
e ispira  
raffinatezza  
ceramica.**

**The design breaks away from  
what is obvious and inspires  
ceramic refinement.**

**BASKET****DARK FLOW**

Gramma 66 sx  
39,2x19,5cm / 15<sup>3/8</sup>"x7<sup>5/8</sup>" nat

**SILVER FLOW**

Gramma 16 dx  
19,5x9,7cm / 7<sup>5/8</sup>"x3<sup>3/4</sup>" nat





**ARROW****DARK FLOW**

Gramma 16 dx  
 Gramma 16 sx  
 19,5x9,7cm / 7<sup>5</sup>/<sub>8</sub>"x3<sup>3</sup>/<sub>4</sub>" nat

**SILVER FLOW**

Gramma 16 dx  
 Gramma 16 sx  
 19,5x9,7cm / 7<sup>5</sup>/<sub>8</sub>"x3<sup>3</sup>/<sub>4</sub>" nat

Le cromie, di base grigie, spaziano dalla tonalità più scura, il Dark Flow, a quella più chiara, Ivory Flow, richiamando il naturale processo di ossidazione della pietra, materia in continua trasformazione che cambia colore, forma e struttura, adattandosi all'evolversi dei fenomeni naturali.

The colours, in grey scale, vary from the darkest tone, Dark Flow, to the lightest, Ivory Flow, recalling the natural oxidation process of the stone, a material that is under continuous transformation, changing colour, shape, and structure, and adapting itself to the evolution of natural phenomenon.



**TWIST**

**GRAY FLOW**

Gamma 66 dx  
Gamma 66 sx  
39,2x19,5cm / 15<sup>3/8</sup>"x7<sup>5/8</sup>" nat





**CHEVRON**  
**GRAY FLOW**  
Gamma 72  
49,8x16,9cm / 19<sup>1</sup>/<sub>2</sub>"x6<sup>5</sup>/<sub>8</sub>" nat







### IVORY FLOW

muretto 3D  
30x60cm / 12"x24" lapp rett.  
90x90cm / 36"x36" nat rett.







**IVORY FLOW**  
90x90cm / 36"x36" nat rett.





La ricerca di Lea Ceramiche è andata oltre, adoperandosi non solo a restituire un materiale dalle qualità prestazionali indiscutibili, ma riuscendo a conferire una stratigrafia più complessa.

Con l'inclusione di altre tipologie di pietre come le quarziti brasiliane, si è arrivati ad una perfetta definizione estetica, un'armonizzazione grafica che conferisce alla materia eleganza e che interagisce col mutare della luce.

Lea Ceramiche's research went above and beyond, striving not only to create a material of indisputably high quality, but also successfully lending it a more complex stratigraphy.

With the inclusion of other types of stone, like Brazilian quartzite, the perfect aesthetic definition has been achieved, a graphic harmony that gives elegance to the material and that interacts with the changing light.

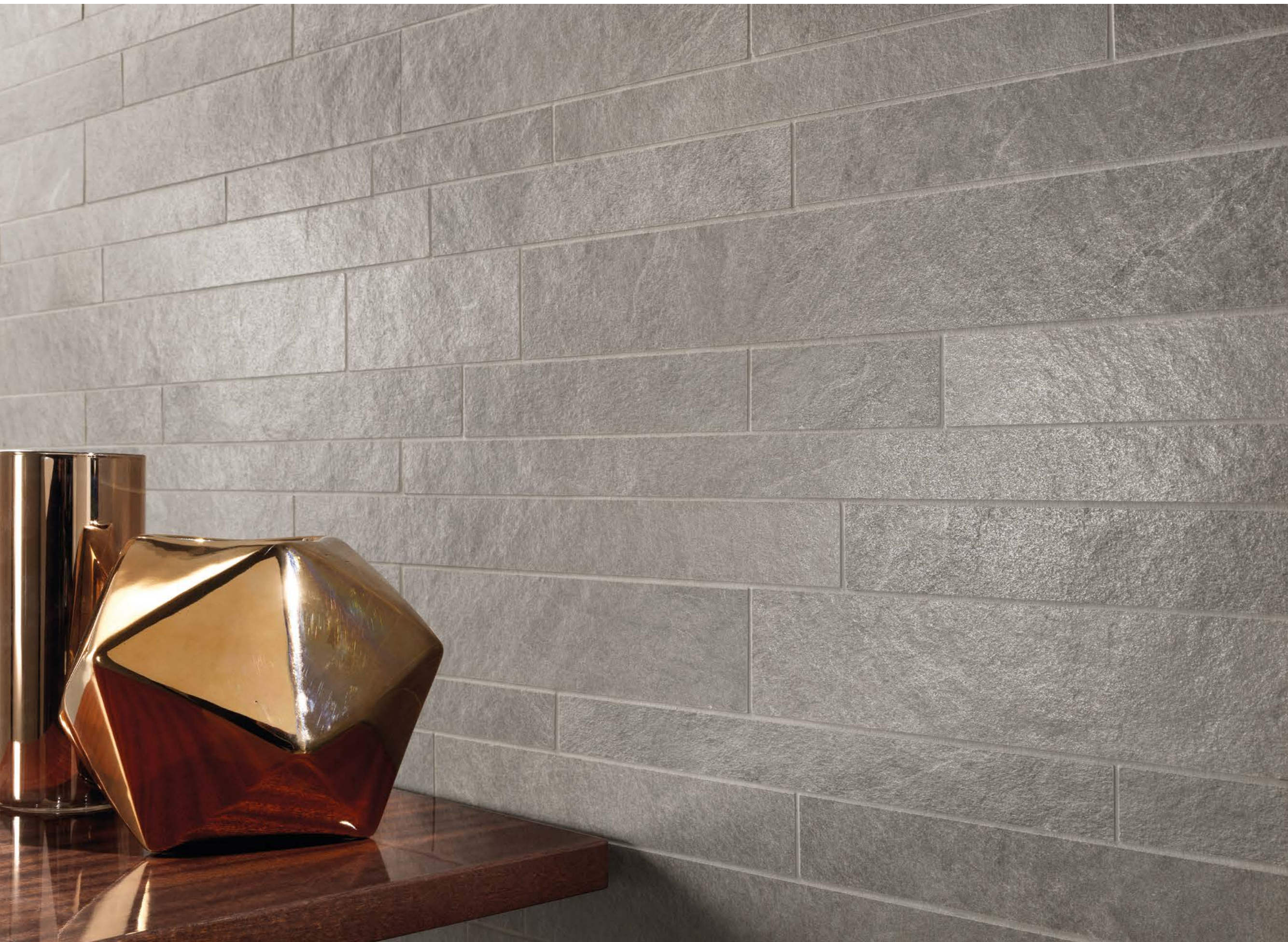
## SILVER FLOW

muretto  
30x60cm / 12"x24" lapp rett.

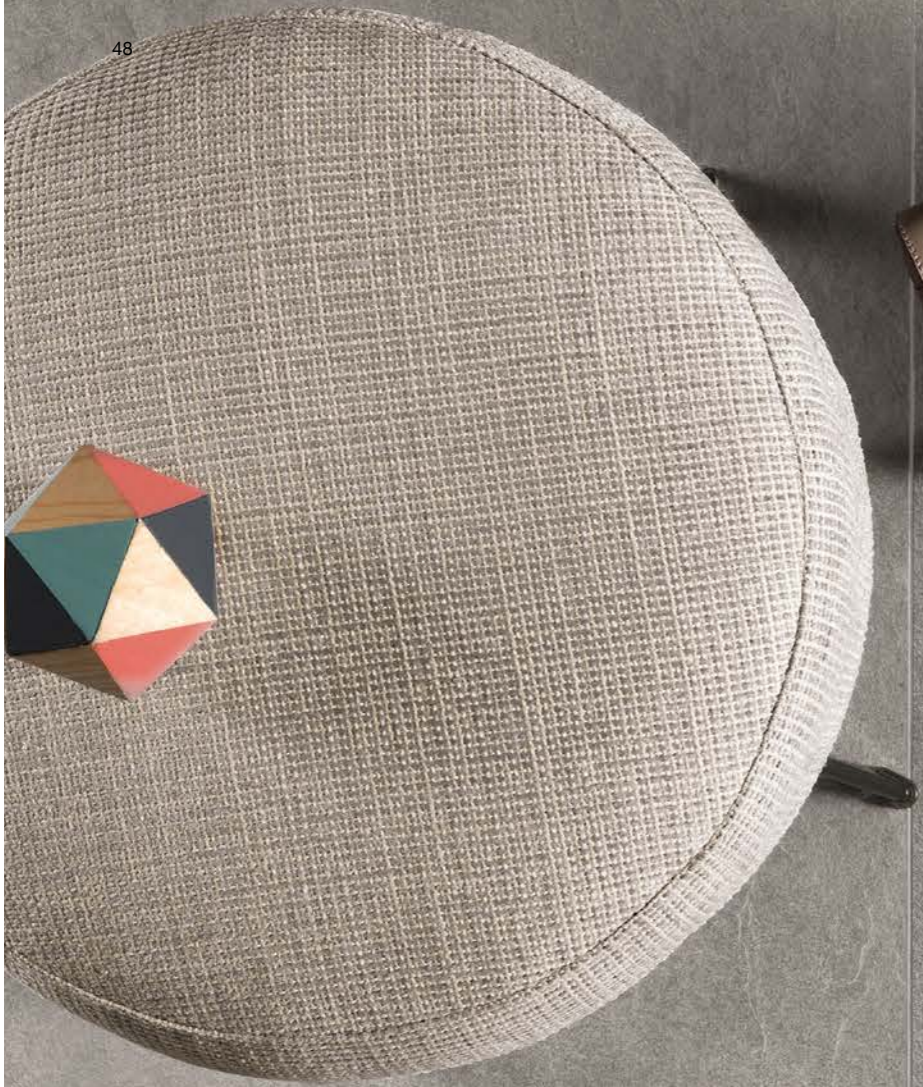


**SILVER FLOW**

muretto  
30x60cm / 12"x24" lapp rett.

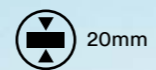






**SILVER FLOW**  
60x120cm / 24"x48" nat rett.





20mm

**SYSTEM L2****SILVER FLOW**

**griglia**  
15x45cm / 6"x18" nat rett.  
**griglia angolare sx**  
15x45cm / 6"x18" nat rett.  
**griglia angolare dx**  
15x45cm / 6"x18" nat rett.

**SILVER FLOW**

**costa toro**  
30x90cm / 12"x36" nat rett.  
**costa toro angolare sx**  
30x90cm / 12"x36" nat rett.  
**costa toro angolare dx**  
30x90cm / 12"x36" nat rett.

**IVORY FLOW**

45x90cm / 18"x36" nat rett.  
20mm







**LEA**  
CERAMICHE

[www.protect.panariagroup.it](http://www.protect.panariagroup.it)

# PROTECT

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



## 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



## EFFICACIA ETERNA

grazie alla tecnologia integrata in modo permanente nel prodotto

## ETERNAL EFFECTIVENESS

thanks to the technology permanently integrated into the product



## QUALITÀ GARANTITA

dalla partnership con **MICROBAN**

## GUARANTEED QUALITY

by the partnership with **MICROBAN**

**PANARIA**group



# WATERFALL



WATERFALL

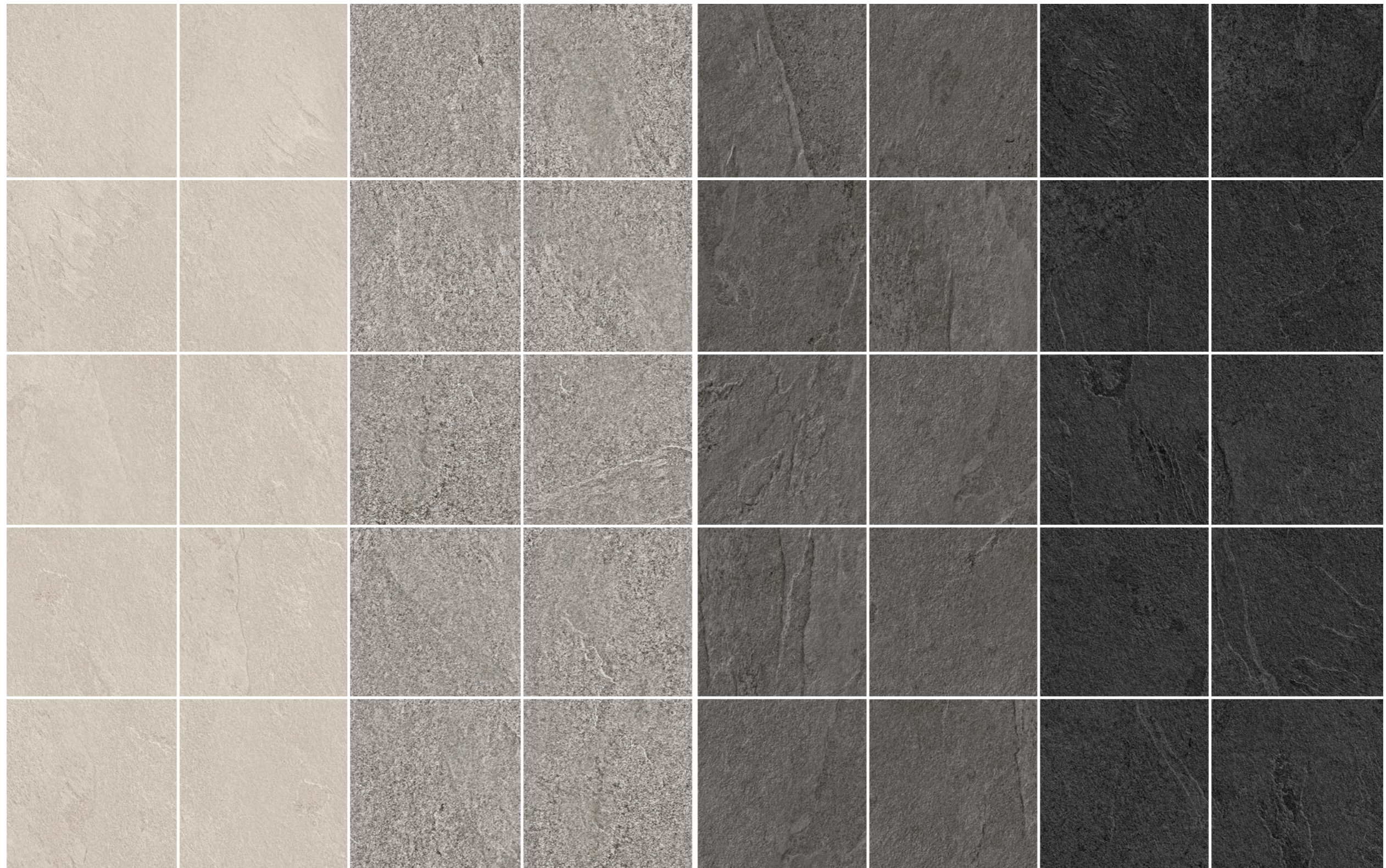
**COLORI**  
colors / couleurs / Farben

ivory flow

silver flow

gray flow

dark flow





## WATERFALL

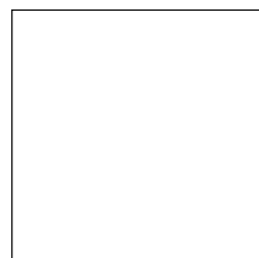
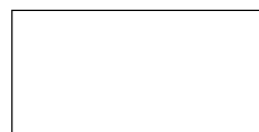
## FORMATI

sizes / formats / Formate

SLIMTECH

P R ( ) T E C T  
ANTIBATTERICO - ANTIMICROBIAL

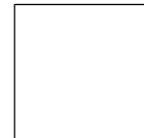
spessore / thickness 5,5mm

100x300cm / 39"x118"  
slimtech 5plus  
NAT100x100cm / 39"x39"  
slimtech 5plus  
NAT50x100cm / 19 1/2"x39"  
slimtech 5plus  
NAT

gres porcellanato

P R ( ) T E C T  
ANTIBATTERICO - ANTIMICROBIAL

spessore / thickness 10,5mm

30x60cm / 12"x24" rett  
NAT / LAPP60x60cm / 24"x24" rett  
NAT / LAPP / GRIP90x90cm / 36"x36" rett  
NAT / LAPP45x90cm / 18"x36" rett  
NAT / LAPP60x120cm / 24"x48" rett  
NAT / LAPP

SYSTEM L2

P R ( ) T E C T  
ANTIBATTERICO - ANTIMICROBIAL

spessore / thickness 20mm

60x60cm / 24"x24" rett  
±20mm  
GRIP90x90cm / 36"x36" rett  
±20mm  
GRIP45x90cm / 18"x36" rett  
±20mm  
GRIP

## FINITURE

finishes / surface / Oberfläche

NATURALE

LAPPATO

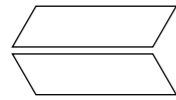
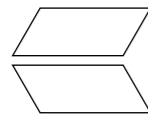
GRIP



## WATERFALL

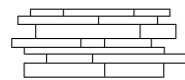
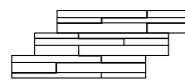
## FORMATI SPECIALI

special sizes / formats spéciaux / Sonderformate

**PR( )TECT**  
ANTIBATTERICO · ANTIMICROBIAL**GRAMMA 72**49,8x14,5cm / 19<sup>1</sup>/<sub>2</sub>"x5<sup>45</sup>/<sub>64</sub>" rett  
nat**GRAMMA 66 SX e DX**39,2x16,9cm / 15<sup>3</sup>/<sub>8</sub>"x6<sup>5</sup>/<sub>8</sub>" rett  
nat**GRAMMA 16 SX e DX**19,5x8,3cm / 7<sup>5</sup>/<sub>8</sub>"x3<sup>17</sup>/<sub>64</sub>" rett  
nat

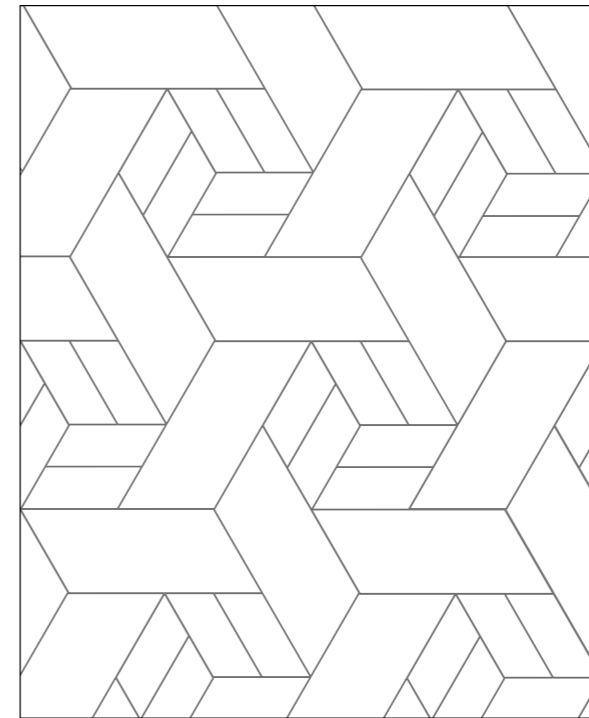
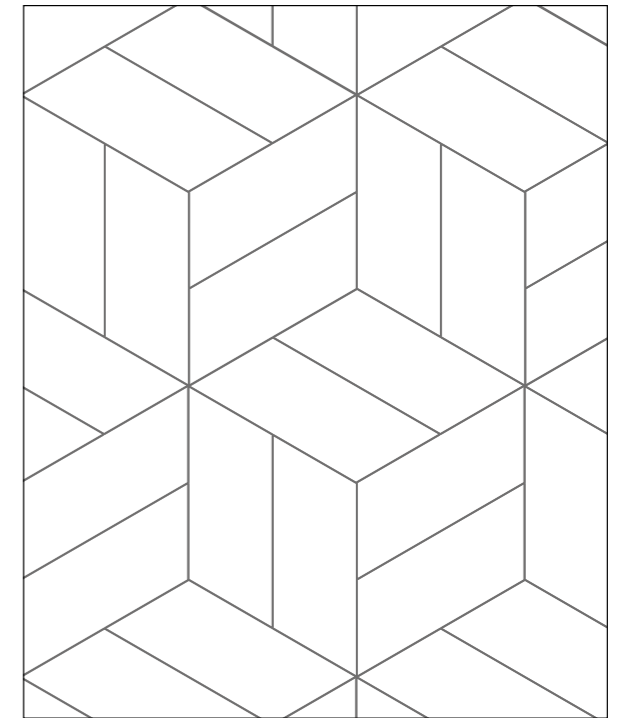
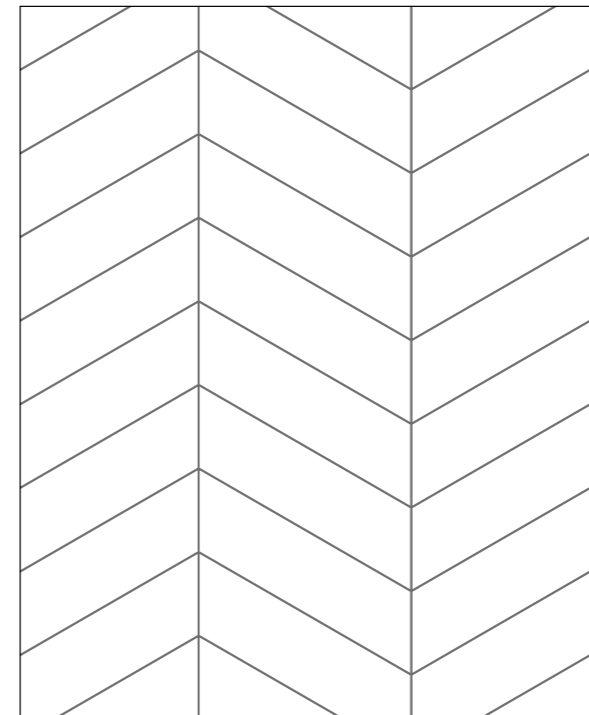
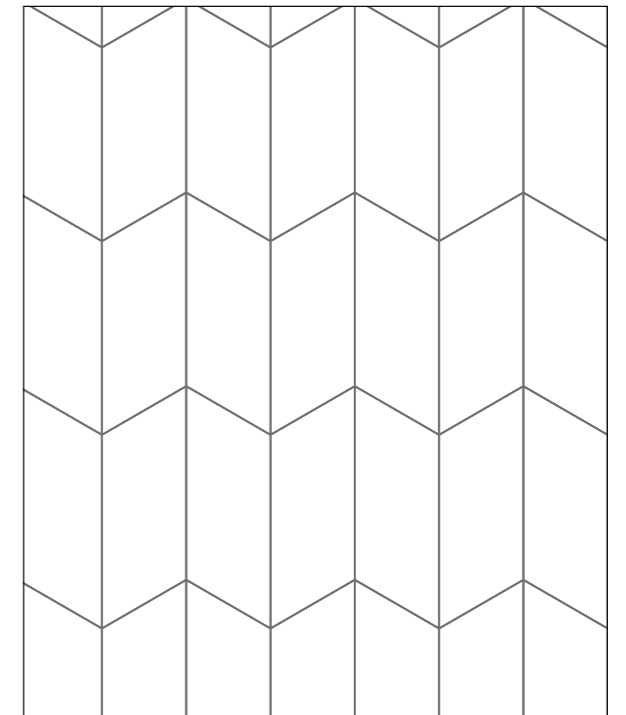
## MOSAICI

mosaics / mosaïques / Mosaïks

**PR( )TECT**  
ANTIBATTERICO · ANTIMICROBIAL**MURETTO**30x60 cm / 12"x24" rett  
nat / lapp**MURETTO 3D**30x60 cm / 12"x24" rett  
nat / lapp**BRICK**30x60 cm / 12"x24" rett  
nat / lapp**MOSAICO 36**30x30 cm / 12"x12" rett  
nat / lapp

## COMPOSIZIONI A MODULI SFUSI

tile layouts in loose modules / compositions en modules en vrac / Kompositionen mit Einzelmodulen

**BASKET** / Gramma 66 SX 67% - Gramma 16 DX 33%**TWIST** / Gramma 66 DX 100% / Gramma 16 DX 100%**CHEVRON** / Gramma 72 100%**ARROW** / Gramma 66 DX 50% e SX 50% / Gramma 16 DX 50% e SX 50%



## WATERFALL

## FONDI

plain tiles / fonds / Unifliesen



|             |  |     | 50x100cm<br>19 1/2" x 39" | 100x100cm<br>39" x 39" | 100x300cm*<br>39" x 118" |
|-------------|--|-----|---------------------------|------------------------|--------------------------|
|             |  |     | Slimtech 5plus            | Slimtech 5plus         | Slimtech 5plus           |
| Ivory Flow  |  | NAT | LS9WF20                   | LSCWF20                | LSAWF20                  |
| Silver Flow |  | NAT | LS9WF30                   | LSCWF30                | LSAWF30                  |
| Gray Flow   |  | NAT | LS9WF10                   | LSCWF10                | LSAWF10                  |
| Dark Flow   |  | NAT | LS9WF00                   | LSCWF00                | LSAWF00                  |

\* Per ordini inferiori alle 5 lastre sarà addebitato il costo del pallet a Euro 80,00 netto. / The cost of the pallet, Euro 80,00 net, will be charged for orders less than 5 slabs. / Pour toutes commandes inférieures à 5 dalles, un cout de 80 Euro correspondant au cout de la palette sera ajouté. / Bei Abnahme einer Menge unter 5 Platten werden Euro 80,00 Netto für Verpackung/palette belastet.

## FORMATI SPECIALI

special sizes / formats spéciaux / Sonderformate

|             |  |     | Gramma 72<br>49,8x16,9cm<br>19 1/2" x 6 5/8" | Gramma 66 DX<br>39,2x19,5cm<br>15 3/8" x 7 5/8" | Gramma 66 SX<br>39,2x19,5cm<br>15 3/8" x 7 5/8" | Gramma 16 DX<br>19,5x9,7cm<br>7 5/8" x 3 3/4" | Gramma 16 SX<br>19,5x9,7cm<br>7 5/8" x 3 3/4" |
|-------------|--|-----|--|---|---|---|---|
|             |  |     | rett   | rett  | rett  | rett  | rett  |
|             |  |     | 10,5 mm                                      | 10,5 mm   | 10,5 mm   | 10,5 mm                                       | 10,5 mm                                       |
| Ivory Flow  |  | NAT | LGZWF72                                      | LGZWFS2   | LGZWFD2   | LG0WFS2                                       | LG0WFD2                                       |
| Silver Flow |  | NAT | LGZWF73                                      | LGZWFS3   | LGZWFD3   | LG0WFS3                                       | LG0WFD3                                       |
| Gray Flow   |  | NAT | LGZWF71                                      | LGZWFS1   | LGZWFD1   | LG0WFS1                                       | LG0WFD1                                       |
| Dark Flow   |  | NAT | LGZWF70                                      | LGZWFS0   | LGZWFD0   | LG0WFS0                                       | LG0WFD0                                       |

## FONDI

plain tiles / fonds / Unifliesen

|             |  |      | 30x60cm<br>12" x 24" | 60x60cm<br>24" x 24" | 45x90cm<br>18" x 36" | 90x90cm<br>36" x 36" | 60x120cm<br>24" x 48" | 60x60cm<br>24" x 24" | 45x90cm<br>18" x 36" | 90x90cm<br>36" x 36" |
|-------------|--|------|----------------------|----------------------|----------------------|----------------------|-----------------------|----------------------|----------------------|----------------------|
|             |  |      | rett                 | rett                 | rett                 | rett                 | rett                  | rett                 | rett                 | rett                 |
|             |  |      | 10,5 mm              | 10,5 mm              | 10,5 mm              | 10,5 mm              | 10,5 mm               | 20mm<br>SYSTEM L2    | 20mm<br>SYSTEM L2    | 20mm<br>SYSTEM L2    |
| Ivory Flow  |  | NAT  | LGWWFN2              | LGWWFN2              | LGGWFN2              | LG9WF20              | LGXWF20               | -                    | -                    | -                    |
|             |  | LAPP | LGWVFX2              | LGWVFX2              | LGGVFX2              | LG9VFX2              | LGXVFX2               | -                    | -                    | -                    |
|             |  | GRIP | -                    | LGWWF20              | -                    | -                    | -                     | LGWK2W5              | LGGK220              | LG9K220              |
| Silver Flow |  | NAT  | LGWWFN3              | LGWWFN3              | LGGWFN3              | LG9WF30              | LGXWF30               | -                    | -                    | -                    |
|             |  | LAPP | LGWVFX3              | LGWVFX3              | LGGVFX3              | LG9VFX3              | LGXVFX3               | -                    | -                    | -                    |
|             |  | GRIP | -                    | LGWWF30              | -                    | -                    | -                     | LGWWF36              | LGGK230              | LG9K230              |
| Gray Flow   |  | NAT  | LGWWFN1              | LGWWFN1              | LGGWFN1              | LG9WF10              | LGXWF10               | -                    | -                    | -                    |
|             |  | LAPP | LGWVFX1              | LGWVFX1              | LGGVFX1              | LG9VFX1              | LGXVFX1               | -                    | -                    | -                    |
|             |  | GRIP | -                    | LGWWF10              | -                    | -                    | -                     | LGWK2W3              | LGGK210              | LG9K210              |
| Dark Flow   |  | NAT  | LGWWFN0              | LGWWFN0              | LGGWFN0              | LG9WF00              | LGXWF00               | -                    | -                    | -                    |
|             |  | LAPP | LGWVFX0              | LGWVFX0              | LGGVFX0              | LG9VFX0              | LGXVFX0               | -                    | -                    | -                    |
|             |  | GRIP | -                    | LGWWF00              | -                    | -                    | -                     | LGWK2W1              | LGGK200              | LG9K200              |

## MOSAICI

mosaics / mosaïques / Mosaïks

|             |  |      | Muretto<br>30x60cm<br>12" x 24" | Brick<br>30x60cm<br>12" x 24" | Muretto 3D<br>30x60cm<br>12" x 24" | Mosaico 36<br>30x30cm<br>12" x 12" |
|-------------|--|------|---------------------------------|-------------------------------|------------------------------------|------------------------------------|
|             |  |      | rett                            | rett                          | rett                               | rett                               |
| Ivory Flow  |  | NAT  | LG9WFM7                         | LGVWF25                       | LGVWFD7                            | LGCWF25                            |
|             |  | LAPP | LG9WFM2                         | LGVWF20                       | LGVWFD2                            | LGCWF20                            |
| Silver Flow |  | NAT  | LG9WFM8                         | LGVWF35                       | LGVWFD8                            | LGCWF35                            |
|             |  | LAPP | LG9WFM3                         | LGVWF30                       | LGVWFD3                            | LGCWF30                            |
| Gray Flow   |  | NAT  | LG9WFM6                         | LGVWF15                       | LGVWFD6                            | LGCWF15                            |
|             |  | LAPP | LG9WFM1                         | LGVWF10                       | LGVWFD1                            | LGCWF10                            |
| Dark Flow   |  | NAT  | LG9WFM5                         | LGVWF05                       | LGVWFD5                            | LGCWF05                            |
|             |  | LAPP | LG9WFM0                         | LGVWF00                       | LGVWFD0                            | LGCWF00                            |

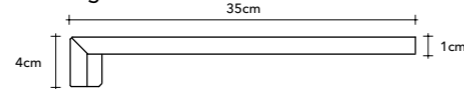







## WATERFALL

## PEZZI SPECIALI

trims / pièces spéciales / Formstücke

Sezione gradino




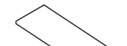
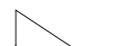
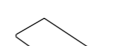
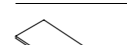

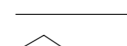
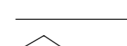
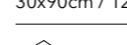


|   |      | Ivory flow | Silver flow | Gray flow | Dark flow |
|---|------|------------|-------------|-----------|-----------|
| <br><b>battiscopa</b><br>10x60cm / 4"x24" rett   | NAT  | LGBWFN2    | LGBWFN3     | LGBWFN1   | LGBWFN0   |
|   | LAPP | LGBWFL2    | LGBWFL3     | LGBWFL1   | LGBWFL0   |
| <br><b>gradino plus*</b><br>35x120cm / 13 <sup>3</sup> / <sub>4</sub> "x48" rett             | NAT  | LG8WF20    | LG8WF30     | LG8WF10   | LG8WF00   |
|   | LAPP | LG8WF70    | LG8WF80     | LG8WF60   | LG8WF50   |
| <br><b>angolo dx gradino plus*</b><br>35x120cm / 13 <sup>3</sup> / <sub>4</sub> "x48" rett  | NAT  | LG8WF21    | LG8WF31     | LG8WF11   | LG8WF01   |
|   | LAPP | LG8WF71    | LG8WF81     | LG8WF61   | LG8WF51   |
| <br><b>angolo sx gradino plus*</b><br>35x120cm / 13 <sup>3</sup> / <sub>4</sub> "x48" rett | NAT  | LG8WF22    | LG8WF32     | LG8WF12   | LG8WF02   |
|   | LAPP | LG8WF72    | LG8WF82     | LG8WF62   | LG8WF52   |
| <br><b>gradino plus*</b><br>35x60cm / 13 <sup>3</sup> / <sub>4</sub> "x24" rett            | GRIP | LG2WF20    | LG2WF30     | LG2WF10   | LG2WF00   |
| <br><b>angolo gradino plus*</b><br>35x60cm / 13 <sup>3</sup> / <sub>4</sub> "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. / Sur demande. Pour plus d'informations sur les quantités minimales et délais de livraison s'il vous plaît contacter le département des ventes. / auf Anfrage. Für weitere Infos über die Mindestmengen und Lieferzeiten wenden Sie sich bitte an unserer Verkaufsabteilung.

## PEZZI SPECIALI 20mm

trims 20mm / pièces spéciales 20mm / Formstücke 20mm

|  |      | Ivory flow | Silver flow | Gray flow | Dark flow |
|--|------|------------|-------------|-----------|-----------|
| <br><b>griglia*</b><br>15x45cm / 6"x18" rett                    | GRIP | LGDK2Z2    | LGDK2Z3     | LGDK2Z1   | LGDK2Z0   |
| <br><b>griglia angolare sx*</b><br>15x45cm / 6"x18" rett        | GRIP | LGDK2A5    | LGDK2A7     | LGDK2A3   | LGDK2A1   |
| <br><b>griglia angolare dx*</b><br>15x45cm / 6"x18" rett        | GRIP | LGDK2A4    | LGDK2A6     | LGDK2A2   | LGDK2A0   |
| <br><b>costa toro*</b><br>30x90cm / 12"x36" rett               | GRIP | LGFK2F2    | LGFK2F3     | LGFK2F1   | LGFK2F0   |
| <br><b>costa toro angolare sx*</b><br>30x90cm / 12"x36" rett  | GRIP | LGFK2K5    | LGFK2K7     | LGFK2K3   | LGFK2K1   |
| <br><b>costa toro angolare dx*</b><br>30x90cm / 12"x36" rett  | GRIP | LGFK2K4    | LGFK2K6     | LGFK2K2   | LGFK2K0   |
| <br><b>costa retta*</b><br>30x90cm / 12"x36" rett             | GRIP | LGFK2C2    | LGFK2C3     | LGFK2C1   | LGFK2C0   |
| <br><b>costa retta angolare sx*</b><br>30x90cm / 12"x36" rett | GRIP | LGFK2D5    | LGFK2D7     | LGFK2D3   | LGFK2D1   |
| <br><b>costa retta angolare dx*</b><br>30x90cm / 12"x36" rett | GRIP | LGFK2D4    | LGFK2D6     | LGFK2D2   | LGFK2D0   |
| <br><b>costa toro step*</b><br>30x90cm / 12"x36" rett         | GRIP | LGFK2J2    | LGFK2J3     | LGFK2J1   | LGFK2J0   |
| <br><b>costa retta step*</b><br>30x90cm / 12"x36" rett        | GRIP | LGFK2G2    | LGFK2G3     | LGFK2G1   | LGFK2G0   |



## WATERFALL


## IMBALLI









packing / emballage / Verpackung

| ARTICOLO             | SCATOLA   |   |     | PALLET   |      |       |            |       |
|----------------------|-----------|---|-----|----------|------|-------|------------|-------|
|                      | cm        | inch                                    | pz. | mq       | kg   | scat. | mq         | kg    |
| fondo 5plus          | 100x300   | 39"x118"                                | 1   | 3        | 34,5 | 13    | 39         | 448,5 |
| fondo 5plus          | 100x100   | 39"x39"                                 | 2   | 2        | 23   | 25    | 50         | 575   |
| fondo 5plus          | 50x100    | 19 <sup>1/2</sup> "x39"                 | 3   | 1,50     | 17,3 | 32    | 48         | 552   |
| fondo 10,5mm         | 60x120    | 24"x48"                                 | 2   | 1,44     | 35,5 | 15    | 21,6       | 532,5 |
| fondo 10,5mm         | 90x90     | 36"x36"                                 | 2   | 1,62     | 40   | 40    | 64,8       | 1600  |
| fondo 20mm           | 90x90     | 36"x36"                                 | 1   | 0,81     | 37,3 | 30    | 24,3       | 1119  |
| fondo 10,5mm         | 45x90     | 18"x36"                                 | 3   | 1,22     | 30   | 30    | 36,5       | 900   |
| fondo 20mm           | 45x90     | 18"x36"                                 | 2   | 0,81     | 36,2 | 24    | 19,4       | 869,5 |
| fondo 10,5mm         | 60x60     | 24"x24"                                 | 4   | 1,44     | 32,5 | 32    | 46,1       | 1040  |
| fondo 10,5mm grip    | 60x60     | 24"x24"                                 | 4   | 1,44     | 33   | 32    | 46,1       | 1056  |
| fondo 20mm           | 60x60     | 24"x24"                                 | 2   | 0,72     | 32,5 | 32    | 23         | 1040  |
| fondo 10,5mm         | 30x60     | 12"x24"                                 | 8   | 1,44     | 32,5 | 32    | 46,1       | 1040  |
| muretto              | 30x60     | 12"x24"                                 | 4   | 0,72     | 15,6 | 30    | 21,6       | 468   |
| muretto 3D           | 30x60     | 12"x24"                                 | 4   | 0,68     | 18,2 | 30    | 20,5       | 546   |
| brick                | 30x60     | 12"x24"                                 | 4   | 0,72     | 15,6 | 30    | 21,6       | 468   |
| mosaico 36           | 30x30     | 12"x12"                                 | 5   | 0,45     | 10   | 60    | 27         | 600   |
| gramma 72            | 49,8x16,9 | 19 <sup>1/2</sup> "x6 <sup>5/8</sup> "  | 14  | 1,01     | 23   | 32    | 32,3       | 736   |
| gramma 66            | 39,2x19,5 | 15 <sup>3/8</sup> "x7 <sup>5/8</sup> "  | 10  | 0,66     | 16,5 | 40    | 26,4       | 660   |
| gramma 16            | 19,5x9,7  | 7 <sup>5/8</sup> "x3 <sup>3/4</sup> "   | 14  | 0,22     | 5,6  | 80    | 17,9       | 448   |
| battiscopa           | 10x60     | 4"x24"                                  | 12  | 7,2 m.l. | 16   | 60    | 432,0 m.l. | 960   |
| gradino plus         | 35x120    | 13 <sup>3/4</sup> "x48"                 | 2   | 0,84     | 23,2 | 16    | 13,4       | 371,2 |
| angolo gradino plus  | 35x120    | 13 <sup>3/4</sup> "x48"                 | 1   | 0,42     | 12,4 | 16    | 6,7        | 198,4 |
| gradino plus         | 35x60     | 13 <sup>3/4</sup> "x24"                 | 4   | 0,84     | 21,2 | 16    | 13,4       | 339,2 |
| angolo gradino plus  | 35x35     | 13 <sup>3/4</sup> "x13 <sup>3/4</sup> " | 2   | 0,25     | 6,7  | 36    | 8,8        | 241,2 |
| costa toro           | 30x90     | 12"x36"                                 | 1   | 0,27     | 12,2 | 32    | 8,6        | 390,4 |
| costa toro angolare  | 30x90     | 12"x36"                                 | 1   | 0,23     | 10,2 | 32    | 7,2        | 326,4 |
| costa retta          | 30x90     | 12"x36"                                 | 1   | 0,27     | 12,2 | 32    | 8,6        | 390,4 |
| costa retta angolare | 30x90     | 12"x36"                                 | 1   | 0,23     | 10,2 | 32    | 7,2        | 326,4 |
| costa toro step      | 30x90     | 12"x36"                                 | 1   | 0,27     | 12,2 | 32    | 8,6        | 390,4 |
| costa retta step     | 30x90     | 12"x36"                                 | 1   | 0,27     | 12,2 | 32    | 8,6        | 390,4 |
| griglia              | 15x45     | 6"x18"                                  | 4   | 0,27     | 10   | 48    | 13         | 480   |
| griglia angolare     | 15x45     | 6"x18"                                  | 4   | 0,23     | 10   | 48    | 10,8       | 480   |

## IMPIEGHI GRÈS PORCELLANATO


uses / emploi / Anwendungsbereiche









 10,5mm

| IMPIEGHI<br>uses / emploi / Anwendungsbereiche   |  |
|--|--|
|  <b>alberghi</b><br>hotels<br>hotels<br>hotels  |  <b>locali pubblici</b><br>public spaces<br>lieux publics<br>öffentliche bereiche |
|  <b>abitazioni</b><br>housing<br>maisons<br>wohnbereiche  |  <b>aeroporti</b><br>airports<br>aéroports<br>flughafen                           |
|  <b>bar - ristoranti</b><br>bar - restaurants<br>bar - restaurants<br>cafés - restaurants, gasthäuser |  <b>centri commerciali</b><br>malls<br>centre commerciaux<br>einkaufszentren      |
|  <b>negozi</b><br>shops<br>magasins<br>geschäfte  |  <b>stazioni</b><br>train stations<br>gares<br>bahnhöfe                           |

## IMPIEGHI SYSTEM L2

uses / emploi / Anwendungsbereiche

 20mm

| IMPIEGHI 20mm<br>uses / emploi / Anwendungsbereiche   |   |
|---|---|
|  <b>violetti</b><br>walkways<br>allées<br>Kleine Wege  |  <b>parcheggi</b><br>parking areas<br>parkings<br>Parkplätze                             |
|  <b>parchi pubblici - giardini</b><br>public parks - gardens<br>parcs publics et jardins<br>Öffentliche Parks und Gärten |  <b>terrazze</b><br>terraces<br>terrasses<br>Terrassen                                   |
|  <b>camminamenti piscine</b><br>pool decks<br>voies piétonnes et piscines<br>Wege und Schwimmbäder                       |  <b>zone industriali</b><br>industrial areas<br>zones industrielles<br>Industriebereiche |
|  <b>stabilimenti balneari</b><br>beach resorts<br>établissements balnéaires<br>Badeanstalten                             |  <b>aree urbane</b><br>urban areas<br>zones urbaines<br>Stadtbereiche                    |

Per una maggiore variabilità grafica della superficie da rivestire, si consiglia di miscelare il prodotto in fase di posa.

Le diverse e numerose facce del prodotto sono imballate secondo una logica randomizzata per garantire la massima variabilità in ogni collo.

For a better graphic variation of the surface, we recommend to mix the product during installation.

The diverse and numerous graphics of the product are randomly packaged to guarantee the best possible variation within each box.



## DESTINAZIONI D'USO

Intended uses



| <b>POSA A PAVIMENTO</b><br><b>FLOOR INSTALLATION</b>   |  |   |  | <b>POSA A PARETE</b><br><b>WALL INSTALLATION</b>  |  |   |  |
|--|--|---|--|---|--|---|--|
| <b>IN INTERNO</b>  |  | <b>IN ESTERNO</b>   |  | <b>IN INTERNO</b>   |  | <b>IN ESTERNO</b>   |  |
| Situazioni applicative sia per interventi di NUOVA COSTRUZIONE che di RISTRUTTURAZIONI con posa in sovrapposizione a pavimenti preesistenti.   |  | <b>RESIDENZIALE</b><br>(cucine, bagni, living, aree comuni condominiali ed ogni altro ambiente di uso residenziale).<br><b>slimtech 5plus</b>           |  | <b>COMMERCIALE LEGGERO</b><br>(uffici, uffici aperti al pubblico, sale d'attesa, negozi, bagni, sale di ristoranti, autosaloni, bar, cinema, ambulatori/cliniche).<br><b>slimtech 5plus</b>                   |  | <b>COMMERCIALE INTENSIVO</b><br>(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).<br><b>slimtech 5plus</b> |  |
| For NEW BUILDINGS and REFURBISHING, for installation on pre-existing floors.   |  | <b>RESIDENTIAL</b><br>(kitchens, bathrooms, living rooms, common apartment block areas and any other residential environment).<br><b>slimtech 5plus</b> |  | <b>LIGHT COMMERCIAL</b><br>(offices, offices open to the general public, waiting rooms, shops, bathrooms, restaurant dining rooms, car showrooms, bars, cinemas, surgeries/clinics).<br><b>slimtech 5plus</b> |  | <b>INTENSIVE COMMERCIAL</b><br>(common areas of shopping centres, hotel halls, canteens, fast food restaurants, dance clubs, hospitals) with the exception of areas subject to heavy concentrated loads (e.g. trolleys with hard wheels).<br><b>slimtech 5plus</b>  |  |
| A condizione che le superfici ci siano coperte (es. logge, balconi coperti, ecc.) e perfettamente impermeabilizzate. Si consiglia l'utilizzo di formati con lati non superiori a 100 cm. |  | <b>slimtech 5plus</b>   |  | Situazioni applicative sia per interventi di NUOVA COSTRUZIONE che di RISTRUTTURAZIONI con posa in sovrapposizione a rivestimenti preesistenti.   |  | Qualunque ambiente residenziale e commerciale.<br><b>slimtech 5plus</b>   |  |
| INTERIORS  |  | EXTERIORS   |  | INTERIORS   |  | EXTERIORS   |  |
| UPON CONDITION THAT SURFACES ARE SHELTERED (E.G. LOGGIES, COVERED BALCONIES, ETC.) AND MADE TOTALLY IMPERVIOUS. WE RECOMMEND THE USE OF SIZES THAT HAVE SIDES NOT EXCEEDING 100 CM.      |  | <b>slimtech 5plus</b>   |  | For NEW BUILDINGS and REFURBISHING, for installation on pre-existing walls.   |  | Any residential and commercial environment.<br><b>slimtech 5plus</b>  |  |
| Any residential and commercial environment.<br><b>slimtech 5plus</b>   |  | Any residential and commercial environment.<br><b>slimtech 5plus</b>  |  | Any residential and commercial environment.<br><b>slimtech 5plus</b>  |  | Any residential and commercial environment.<br><b>slimtech 5plus</b>  |  |

DESTINAZIONI SPECIALI  
SPECIAL USES

| <b>FACCIAE VENTILATE</b>  |  |  |  | <b>RIVESTIMENTI TERMICI A CAPPOTTO</b>         |  |  |  | <b>RIVESTIMENTI VASCHE E PISCINE</b>       |  |  |  | <b>SUPERFICI DA RIVESTIRE NEL SETTORE DELL'ARREDAMENTO</b> |  |  |  |
|---------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>slimtech 5plus</b>     |  |  |  | <b>slimtech 5plus</b>                          |  |  |  | <b>slimtech 5plus</b>                      |  |  |  | <b>slimtech 5plus</b>                                      |  |  |  |
| <b>VENTILATED FAÇADES</b> |  |  |  | <b>EXTERNAL WALL THERMAL INSULATION SYSTEM</b> |  |  |  | <b>BATHTUBS AND SWIMMING POOL CLADDING</b> |  |  |  | <b>FOR FURNITURE SURFACES</b>                              |  |  |  |
| <b>slimtech 5plus</b>     |  |  |  | <b>slimtech 5plus</b>                          |  |  |  | <b>slimtech 5plus</b>                      |  |  |  | <b>slimtech 5plus</b>                                      |  |  |  |

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.


**LASTRE CERAMICHE ULTRASOTTILI IN GRANDE FORMATO**  
**GRÈS PORCELLANATO LAMINATO, RINFORZATO CON FIBRA DI VETRO**

Slimtech è la superficie universale per l'architettura: sottile, resistente con l'esclusivo rinforzo di fibra di vetro, versatile e facile da utilizzare. Con l'estensione dei suoi grandi formati consente un risultato straordinario in termini di bellezza e fascino negli spazi e nelle realizzazioni architettoniche.

**ULTRA-THIN LARGE FORMAT CERAMIC SLABS**  
**LAMINATED PORCELAIN STONEWARE, REINFORCED WITH FIBREGLASS**

Slimtech is the universal surface for architecture: thin, durable (with exclusive fibreglass reinforcement), versatile, and easy to use. The application of its large formats permits an extraordinary result in terms of the beauty and allure of spaces and architectural creations.

**DES DALLES EN CÉRAMIQUE ULTRA MINCES ET GRAND FORMAT**  
**GRÈS CÉRAMÉ LAMINÉ, RENFORCÉ DE FIBRE DE VERRE**

Slimtech est une véritable révolution qui s'offre au monde de l'architecture : mince et renforcée de fibre de verre lui conférant résistance, elle s'adapte à tous les styles et son utilisation est simple. Grâce à son large éventail de formats de grandes dimensions, il est possible d'obtenir des résultats d'une beauté époustouflante et d'apporter aux espaces et aux œuvres architecturales cette touche de fascination unique.

**UNTRADÜNNE GROSSFORMATIGE KERAMIKPLATTEN**  
**LAMINIERTES MIT GLASFASER VERSTÄRKTES FEINSTEINZEUG**

Slimtech ist die universelle Oberfläche für Architektur: dünn, widerstandsfähig mit der exklusiven Glasfaserverstärkung, vielseitig und einfach anzuwenden. Mit der Erweiterung seiner Großformate kann ein außergewöhnliches Ergebnis in Bezug auf Schönheit und Charme in den Räumen und architektonischen Projekten erreicht werden.

**SOTTILE E LEGGERO**

THIN AND LIGHT / MINCE ET LÉGÈRE / DÜNN UND LEICHT

**GRANDI FORMATI**

LARGE FORMATS / GRANDS FORMATS / GROSSE FORMATE

**RESISTENTE**

DURABLE / RÉSISTANTE / WIDERSTANDSFÄHIG

**RESA ESTETICA**

AESTHETIC PERFORMANCE / HAUT RENDU ESTHÉTIQUE / ÄSTHETISCH

**FLESSIBILE**

FLEXIBLE / FLEXIBLE / FLEXIBIL

**PLANARE**

FLAT / PLANE / EBEN

**FACILE DA MOVIMENTARE E POSARE**

EASY HANDLING AND LAYING / FACILE À MANIPULER ET À POSER / EINFACH ZU HANDHABEN UND ZU VERLEGEN

**FACILE DA PULIRE**

EASY TO CLEAN / FACILE À NETTOYER / PFLEGELEICHT

**ANTIBATTERICO**

ANTIBACTERIAL / ANTIBACTÉRIENNE / ANTIBAKTERIELL

**ECOLOGICO**

ENVIRONMENTALLY FRIENDLY / ÉCOLOGIQUE / ÖKOLOGISCH

**UNA GARANZIA DI AFFIDABILITÀ**

RELIABILITY GUARANTEED / UNE GARANTIE DE CONFIANCE / EINE ZUVERLÄSSIGKEITSGARANTIE

**5plus**


Ideale anche per la posa in ambienti commerciali soggetti a traffico intenso, sia per nuove costruzioni che per ristrutturazioni con posa in sovrapposizione a pavimenti preesistenti.

Also perfect for installation in commercial spaces subject to intense traffic, both for new constructions and for renovations with installation over pre-existing floors.

Aussi bien pour les nouvelles constructions que dans des situations de rénovation d'un environnement. Slimtech est la solution idéale, car elle peut être posée directement sur l'ancien carrelage. L'utilisation des dalles Slimtech est également recommandée pour la réalisation des sols et revêtements des établissements commerciaux soumis au trafic intense.

Ideal auch für das Verlegen in gewerblichen Bereichen, die intensivem Trittverkehr ausgesetzt sind, sowohl für Neubauten als auch für Renovierungen mit Verfliesung auf bereits bestehenden Fußböden.





## WATERFALL

## CARATTERISTICHE TECNICHE

technical characteristics / caractéristiques techniques / Technische eigenschaften



lastra + fibra di vetro / slab + fiberglass

gres porcellanato laminato UGL / laminated porcelain stoneware UGL

conforme / according to: ISO 13006 G (Gruppo/Group Bla) - EN 14411 G (Gruppo/Group Bla), ANSI A137.3

spessore 5,5mm  
thickness

|   | metodo di prova<br>test method         | requisiti prescritti<br>required values                             | valori medi<br>average values  |
|---|--|---|--|
| <b>assorbimento d'acqua</b><br>water absorption                         | ISO 10545-3<br>ASTM C373               | ≤ 0,5%  | 0,1%(*)  |
| <b>resistenza alla flessione</b><br>modulus of rupture                  | ISO 10545-4<br>ASTM C1505              | ≥ 35 N/mm <sup>2</sup><br>≥ 6000 PSI                                | 50 N/mm <sup>2</sup><br>≥ 6000 PSI   |
| <b>resistenza all'abrasione profonda</b><br>résistance to deep abrasion | ISO 10545-6<br>ASTM C1243              | ≤ 175 mm <sup>3</sup>   | CONFORME / CONFORMS  |
| <b>dilatazione termica lineare</b><br>linear thermal expansion          | ISO 10545-8<br>ASTM C372               | requisito non previsto<br>no provision                              | $\alpha \leq 7 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$<br>$\alpha \leq 4.4 \times 10^{-6} \text{ } ^\circ\text{F}^{-1} / \alpha \leq 8 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$ |
| <b>resistenza alle macchie</b><br>stain resistance                      | ISO 10545-14<br>ASTM C1378             | Classe / Class 3 Min.<br>as indicated by manufacturer               | 5 RESISTENTE / RESISTANT<br>Class A RESISTANT  |
| <b>resistenza all'attacco chimico (**)</b><br>chemical resistance (**)  | ISO 10545-13<br>ASTM C650              | come indicato dal produttore<br>as indicated by manufacturer        | LA - HA RESISTENTE / RESISTANT<br>Class A RESISTANT  |
| <b>resistenza al gelo</b><br>frost resistance                           | ISO 10545-12<br>ASTM C1026             | nessuna alterazione / no alteration<br>as indicated by manufacturer | RESISTENTE / RESISTANT<br>RESISTANT  |
| <b>resistenza allo scivolamento</b><br>slip resistance                  | DIN 51130<br>BCR-TORTUS<br>ANSI A326.3 | -<br>-<br>DCOF ≥ 0.42   | R10<br>$\mu > 0,40$<br>≥ 0.42  |
| <b>reazione al fuoco</b><br>fire reaction<br>flame spread               | EN 13823<br>EN 9239-1<br>ASTM E84      | Reg. 305/2011, Dec. 2000/147/CE,<br>UNI EN 13501-1<br>no provision  | Classe / Class A2-s1,d0 (wall)<br>Classe / Class A2fl-s1 (floor)<br>Class A  |
| <b>robinson floor tester</b>  | ASTM C627                              | come indicato dal produttore<br>as indicated by manufacturer        | ≥ 12 cycles Heavy Commercial<br>(over concrete)  |
| <b>conducibilità termica (***)</b><br>thermal conductivity (***)        | EN 12524                               | -   | $\lambda = 1,3 \text{ W/m}^\circ \text{ k} / 0.7 \text{ BTU/ft h}^\circ \text{ F}$   |
| <b>stonalizzazione</b><br>shade variation                               | ANSI A 137.3                           | come indicato dal produttore<br>as indicated by manufacturer        | V3 VARIAZIONI MODERATE /<br>MODERATE VARIATION   |

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

(\*) valore medio riferito al solo materiale ceramico / average value referred to ceramic material only

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

(\*\*\*) prodotti con finiture particolari possono prevedere limitazioni nelle destinazioni d'uso; verificare nei singoli cataloghi di collezione / products with special finishes can have limitations depending on their area of applications; refer to specific collection catalogue

## CARATTERISTICHE TECNICHE

technical characteristics / caractéristiques techniques / Technische eigenschaften

gres porcellanato 10,5mm

SYSTEM L2 20mm

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 (P1 Class)

spessore 10,5mm / 20mm  
thickness

|   | metodo di prova<br>test method  | requisiti prescritti<br>required values                             | valori medi<br>average values  |
|---|---|---|--|
| <b>assorbimento d'acqua</b><br>water absorption                         | ISO 10545-3<br>ASTM C373  | ≤ 0,5%  | 0,05%  |
| <b>sforzamento di rottura S</b><br>breaking strength                    | ISO 10545-4<br>ASTM C648  | ≥ 1300 N/mm <sup>2</sup><br>≥ 250 lbf                               | 2500 N (10,5mm) / 13600 N (20mm)<br>600 lbf (10,5mm) / 2800 lbf (20mm)   |
| <b>resistenza alla flessione</b><br>modulus of rupture                  | ISO 10545-4   | ≥ 35 N/mm <sup>2</sup>  | 50 N/mm <sup>2</sup>   |
| <b>resistenza all'abrasione profonda</b><br>résistance to deep abrasion | ISO 10545-6<br>ASTM C1243   | ≤ 175 mm <sup>3</sup>   | 145 mm <sup>3</sup>  |
| <b>dilatazione termica lineare</b><br>linear thermal expansion          | ISO 10545-8<br>ASTM C372  | requisito non previsto<br>no provision                              | $\alpha \leq 7 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$<br>$\alpha \leq 4.4 \times 10^{-6} \text{ } ^\circ\text{F}^{-1} / \alpha \leq 8 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$   |
| <b>resistenza alle macchie</b><br>stain resistance                      | ISO 10545-14<br>ASTM C1378  | Classe / Class 3 Min.<br>as indicated by manufacturer               | 5 RESISTENTE / RESISTANT<br>Class A RESISTANT  |
| <b>resistenza all'attacco chimico (**)</b><br>chemical resistance (**)  | ISO 10545-13<br>ASTM C650   | come indicato dal produttore<br>as indicated by manufacturer        | LA - HA RESISTENTE / RESISTANT<br>Class A RESISTANT  |
| <b>resistenza al gelo</b><br>frost resistance                           | ISO 10545-12<br>ASTM C1026  | nessuna alterazione / no alteration<br>as indicated by manufacturer | RESISTENTE / RESISTANT<br>RESISTANT  |
| <b>resistenza allo scivolamento</b><br>slip resistance                  | DIN 51130<br>DIN 51097<br>BCR-TORTUS<br>ANSI A326.3<br>AS-NZS 4586<br>BS 7976-2 | -<br>-<br>Rif. DM 236 del 14.06.1989<br>DCOF ≥ 0.42<br>-            | R10 (nat.) / R11 (grip - 20mm)<br>B (A+B) (nat.) / C (A+B+C) (grip - 20mm)<br>$\mu > 0,40$ (nat. - grip - 20mm)<br>≥ 0.42 (nat. - grip - 20mm)<br>P3 (X) (nat.) / P4 (W) (grip - 20mm)<br>slider 96:36+ wet (nat. - grip - 20mm) |
| <b>reazione al fuoco</b><br>fire reaction<br>flame spread               | EN 13823<br>EN 9239-1<br>ASTM E84   | CPR (UE) 305/2011, 2000/147/CE,<br>UNI EN 13501-1<br>no provision   | Classe / Class A1 (wall)<br>Classe / Class A1fl (floor)<br>Class A   |
| <b>robinson floor tester</b>  | ASTM C627   | come indicato dal produttore<br>as indicated by manufacturer        | ≥ 14 cycles Extra Heavy Commercial<br>(over concrete)  |
| <b>conducibilità termica</b><br>thermal conductivity                    | EN 12524  | -   | $\lambda = 1,3 \text{ W/m}^\circ \text{ k} / 0.7 \text{ BTU/ft h}^\circ \text{ F}$   |
| <b>fuga minima consigliata (***)</b><br>recommended minimum joint (***) | RETT-RECT (indoor)<br>ESTERNO / OUTDOOR   | -<br>-  | 2mm<br>5mm circa / approx.   |
| <b>stonalizzazione</b><br>shade variation                               | ANSI A137.1   | come indicato dal produttore<br>as indicated by manufacturer        | V3 VARIAZIONI MODERATE /<br>MODERATE 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



# CERTIFICAZIONI

certifications / certifications / Prüfzeugnisse



CERTIFIED ENVIRONMENTAL MANAGEMENT SYSTEM

ISO 14001



CERTIFIED QUALITY MANAGEMENT SYSTEM

ISO 9001



EMAS

emas



leed\*\*



EN 14411

Le DOP sono disponibili sul sito internet [www.ceramichelea.it](http://www.ceramichelea.it)  
DOP are available on the website [www.ceramichelea.it](http://www.ceramichelea.it)

marchio CE



leed\*

\*  
LEED

Lea Ceramiche, 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. Lea Ceramiche 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.

\*\*  
LEED

Il contenuto di materiale riciclato "pre-consumo" della serie Waterfall in spessore 10,5 e 20mm è del 40%, come certificato da ente esterno qualificato (certificato disponibile sul sito [www.ceramichelea.com](http://www.ceramichelea.com)).  
The "pre-consumption" recycled material of the 10.5 and 20mm thick Waterfall series comprises 40% of the material as certified by a qualified external body (certificate available at [www.ceramichelea.com](http://www.ceramichelea.com)).



ADI MEMBER





# WATERFALL

MATERIA MUTEVOLE  
VARIABLE MATERIAL

## PROTECT

SUPERFICIE ANTIBATTERICA  
ANTIMICROBIAL SURFACE

with MICROBAN®



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