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# SYSTEM L2



LEA  
CERAMICHE



# SYSTEM L2

## VIVERE L'OUTDOOR

LIVING OUTDOORS

Le collezioni Lea da 20mm di spessore uniscono qualità estetica ed elevate prestazioni tecniche, garantendo infinite applicazioni in esterno senza preoccupazioni di rottura.

L'elevato valore di resistenza ai carichi rende il prodotto carribile quando incollato su massetto. È inoltre resistente al gelo e agli sbalzi termici, alle muffe, alle macchie e al sale. Presenta elevate caratteristiche antiscivolo e risulta di facile pulizia mantenendo inalterati nel tempo materia e colore.

The Lea collections, featuring a thickness of 20 mm, combine undisputed aesthetic quality with optimal technical performance. The result is an excellent solution that can be used for endless outdoor applications.

The high technical performance levels are also a timeless guarantee of product resistance without the risk of damage. In fact the high resistance to breaking load means that this product can be walked over when adhered to the screed. It also resists freezing and temperature variations, mould, stains and salt. It offers excellent non-slip properties and is easy to clean, while the material and colour remain unchanged over time.

LIME L2 60x60 rett. CENDRE L2 60x60 rett.



Un'evoluzione per  
pavimentazioni  
innovative.

An evolution  
for innovative  
floorings.



# VANTAGGI

ADVANTAGES

Continuamente in grado di rinnovarsi, il gres offre caratteristiche tecniche, cromatiche e materiche che trovano nella collezione System L2, dedicata all'outdoor, la massima espressività. Versatilità e universalità di un materiale che sfida la tecnologia, adottato ormai anche dalla grande architettura.

Constantly open to diversification, porcelain offers technical, colour and material characteristics that find their utmost expression in the collection System L2 designed for the outdoors. This material represents versatility and universality that challenges technology, and is now used in major architecture projects.

## >>> PRATICO DA INSTALLARE E FACILE DA RIMUOVERE

PRATICAL INSTALLATION AND EASY REMOVAL



## >>> ELEVATA RESISTENZA MECCANICA resiste a carichi di rottura oltre 1000 kg

SUPERIOR MECHANICAL STRENGTH  
it resists breaking loads over 1000 kg per sheet



## >>> RESISTENZA ALLE MACCHIE E ALLO SMOG

RESISTS TO STAINS AND SMOG



## >>> INCOMBUSTIBILITÀ FIRE PROOF



## >>> RESISTENZA AGLI AGENTI CHIMICI

RESISTS TO CHEMICAL AGENTS



## >>> ELEVATA RESISTENZA AL GELO FROST RESISTANCE



## >>> RESISTENZA AGLI AGENTI ATMOSFERICI RESISTANCE TO ATMOSPHERIC AGENTS



## >>> ELEVATA RESISTENZA AGLI SBALZI TERMICI RESISTANT TO THERMAL SHOCK



## >>> ASSORBIMENTO D'ACQUA MINIMO

MINIMUM WATER ABSORBTION



## >>> NUOVA TECNOLOGIA, ATTENTA ALL'ECOLOGIA

NEW TECHNOLOGY, ECO-FRIENDLY



## >>> RESISTENZA DEI COLORI ALLA LUCE SOLARE E ALL'INVECCHIAMENTO

COLORS ARE RESISTANT TO SUNLIGHT AND AGING



LIME L2 60x60 rett.

CENDRE L2 60x60 rett.



>>> VIALETTI  
WALKWAYS

>>> PARCHI PUBBLICI - GIARDINI  
PUBLIC PARKS - GARDENS

>>> CAMMINAMENTI PISCINE  
POOL DECKS

>>> STABILIMENTI BALNEARI  
BEACH RESORTS

>>> PARCHEGGI  
PARKING AREAS

>>> TERRAZZE  
TERRACES

>>> ZONE INDUSTRIALI  
INDUSTRIAL AREAS

>>> AREE URBANE  
URBAN AREAS



# IMPIEGHI

## APPLICATIONS

Terrazzi, vialetti, piscine ricoperti da System L2 capaci di vibrare con l'atmosfera dello spazio circostante e con la natura.

Pavimenti interni che dialogano con le superfici esterne senza interruzione. Aree urbane, parchi pubblici e giardini, stabilimenti balneari che diventano con System L2 inaspettati segni panoramici.

Terraces, walkways, swimming pools tiled with the System L2, designed to live in harmony with the surrounding space and nature.

Internal flooring that seamlessly dialogues with outdoor surfaces. Urban areas, public parks and gardens, and bathing facilities that become unexpected landmarks thanks to System L2.

LAYING SOLUTIONS

# COME POSARLO



Il gres porcellanato Lea 20 mm è la soluzione innovativa ed estremamente versatile grazie a molteplici sistemi di posa: posa a secco su erba o ghiaia, posa a colla su massetto e posa in sistemi sopraelevati.

System L2 offers a vast range of laying solutions: dry on grass, sand and gravel; with adhesive on traditional screed, and on raised floors.

# POSA SU ERBA

## DRY LAYING ON GRASS

La posa a secco su erba si applica principalmente su vialetti, camminamenti residenziali e pubblici quali ad esempio parchi, giardini, spazi dedicati alla socialità e al relax, sempre contraddistinti da zone verdi circostanti. La possibilità di determinare la fuga, consente di integrarsi più facilmente con la natura confinante e con l'impronta architettonica ed estetica del contesto.

The solution of dry laying on grass is mainly used on walkways, residential and public paths such as in parks, gardens, social and leisure areas, always located in green areas. The possibility of calculating the joint means that it is easier to integrate with the surrounding nature and the architectural and aesthetic setting.



# POSA SU GHIAIA

## DRY LAYING ON GRAVEL

La posa a secco su ghiaia consente di valorizzare patii, cortili e giardini, in generale spazi esterni privati o passaggi pedonali di aree ad uso commerciale o dedicate al relax. Mantiene inalterato il drenaggio del terreno attraverso la fuga, consentendo il deflusso delle acque in falda.

Dry laying on gravel enhances patios, courtyards and gardens and outdoor private spaces in general or pedestrian areas in commercial or leisure applications. This maintains drainage to the ground via the joint, enabling water run-off into the substrate.



SILVER L2 60x60 rett.

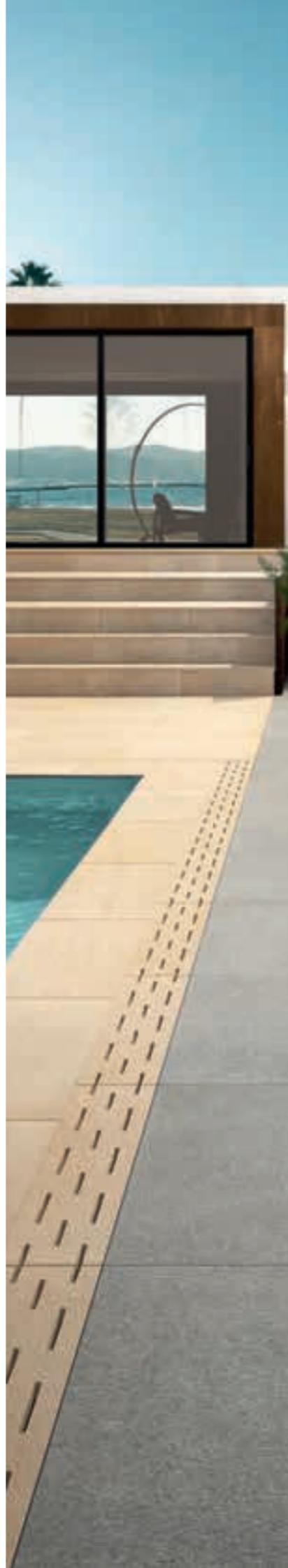


# POSA SU MASSETTO CON COLLA

## LAYING ON SCREED WITH ADHESIVE

La posa tradizionale su massetto con colla si applica principalmente su aree esterne carrabili, quali zone di accesso ai garage, parcheggi auto sia di tipo residenziale che di spazi industriali e commerciali. Permette l'uniformità delle superfici tra le aree pedonali e quelle carrabili.

Traditional laying on screed with adhesive is mainly used in outdoor paved areas for vehicles and pedestrians, such as access areas to garages, car parks both in residential and industrial/commercial areas. It enables uniform surfaces between pedestrian and road surfaces.



# POSA SOPRAELEVATA

## OUTDOOR LAYING ON RAISED FLOORING

La posa da esterno per pavimenti sopraelevati utilizza i tradizionali sistemi per pavimenti flottanti. Grazie ai supporti fissi e regolabili risolve problemi di dislivello del terreno, è isolante e drenante, nasconde cavi e tubature essendo le lastre facilmente rimovibili.\*

Outdoor laying on raised flooring uses the traditional systems for elevated floors. Thanks to the fixed and adjustable supports, this material solves the problem of uneven terrain, while ensuring insulation and drainage, and can be used to conceal cables and pipelines, as the slabs are easily removed when required.\*

\*L'unica normativa vigente per pavimenti sopraelevati riguarda l'uso all'interno degli edifici. Si consiglia pertanto un'attenta valutazione dei requisiti del progetto, con eventuale applicazione di rete in fibra di vetro o di lamina d'acciaio per pavimenti con un'altezza superiore a 10cm.

\*The only current applicable standard for raised flooring refers to use inside buildings. Therefore we recommend carefully evaluating the design requirements, applying where necessary a glass fibre mesh or steel sheet when laying floors at a height above 10 cm.



DORAL L2 60x60 rett.

GNEISS L2 60x60 rett.



OAK PATINATO  
CHIARO L2 60x60 rett.

OAK PATINATO  
SCURO L2 60x60 rett.



Le mille  
applicazioni  
del gres.

The thousand  
applications  
of porcelain tiles.

Un'ampia gamma di formati, texture e colori, è in grado di ricreare superfici continue ed uniformi tra le aree interne ed esterne in ambito residenziale e commerciale. Un unico colpo d'occhio, esteticamente armonico.

A wide range of formats, textures and colours, designed to recreate seamless and uniform surfaces between indoor and outdoor areas in residential and commercial settings. Immediately eye-catching, yet set in harmony with its surroundings.





OAK PATINATO  
CHIARO L2 60x60 rett.



# SYSTEM L2

## LE COLLEZIONI

THE COLLECTIONS

Dalle proposte più materiche effetto pietra e cemento, alle più naturali soluzioni in legno. System L2 rappresenta la nuova frontiera del gres porcellanato. Una selezione di superfici performanti, di facile applicazione e durevoli, per amplificare gli spazi e assecondare il gusto estetico.

Ranging from the more material stone and cement effects to more natural solutions in wood. System L2 represents the new frontier of porcelain tiles. A selection of high performance surfaces, durable and easy to apply, that embellish spaces.

DORAL L2 60x60 rett. GNEISS L2 60x60 rett.



**LODGE GROVE L2**

30x120cm / 12"x48"  
nat. rett.  
LG6K235

**LODGE BROWN L2**

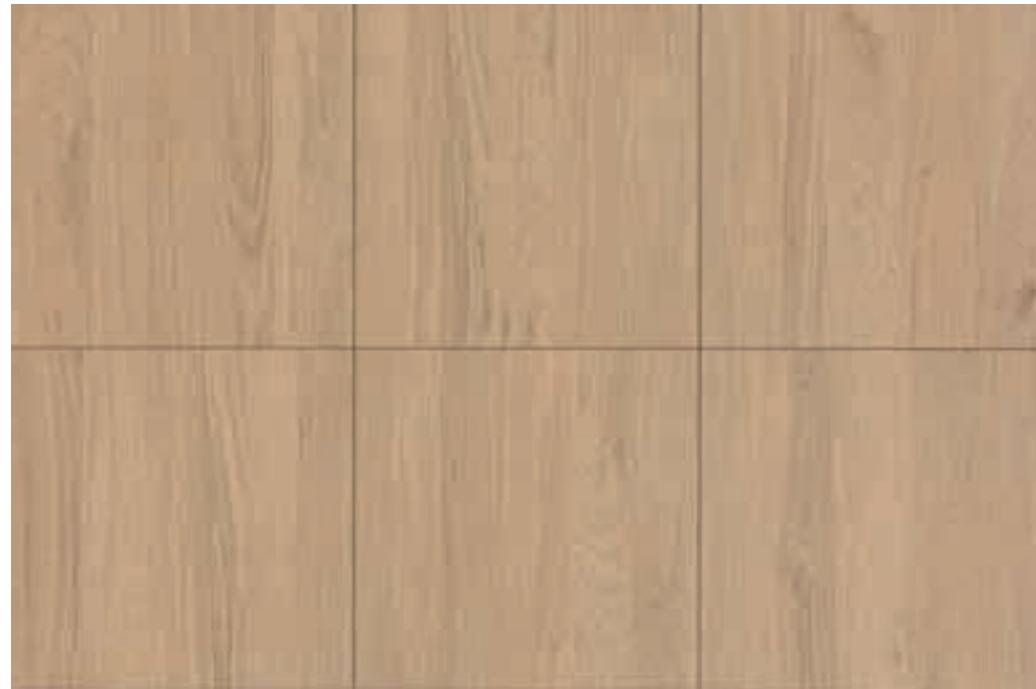
30x120cm / 12"x48"  
nat. rett.  
LG6K205

**LODGE GREIGE L2**

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nat. rett.  
LG6K215

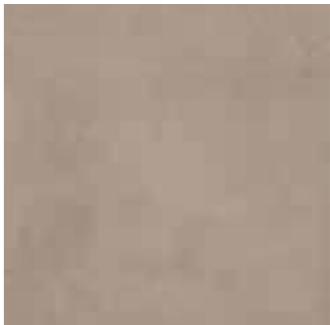
**LODGE GREY L2**

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nat. rett.  
LG6K225

**OAK PATINATO  
CHIARO L2**

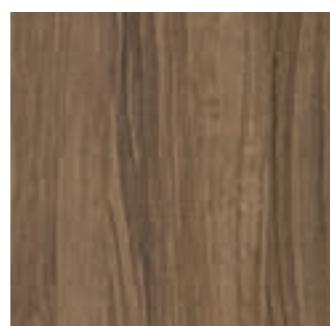
60x60cm / 24"x24"  
nat. rett.  
LGWK221

60,4x60,4cm / 24"x24"  
nat.  
LGWK220

**LIME L2**

60x60cm / 24"x24"  
nat. rett.  
LGWK201

60,4x60,4cm / 24"x24"  
nat.  
LGWK200

**OAK PATINATO  
SCURO L2**

60x60cm / 24"x24"  
nat. rett.  
LGWK231

60,4x60,4cm / 24"x24"  
nat.  
LGWK230

**CENDRE L2**

60x60cm / 24"x24"  
nat. rett.  
LGWK211

60,4x60,4cm / 24"x24"  
nat.  
LGWK210

**WHITE DOVER L2**



60x60cm / 24"x24"  
nat. rett.  
LGWK287

60,4x60,4cm / 24"x24"  
nat.  
LGWK286

**TAUPE MOHER L2**



60x60cm / 24"x24"  
nat. rett.  
LGWK285

60,4x60,4cm / 24"x24"  
nat.  
LGWK284

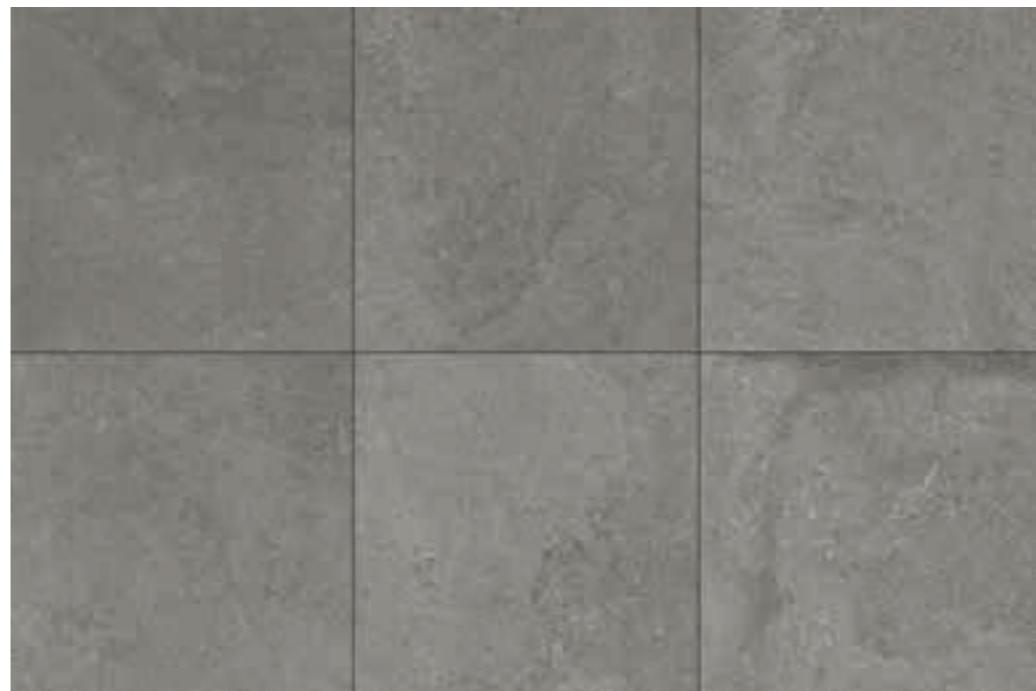
**BEIGE MADEIRA L2**



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LGWK281

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nat.  
LGWK280

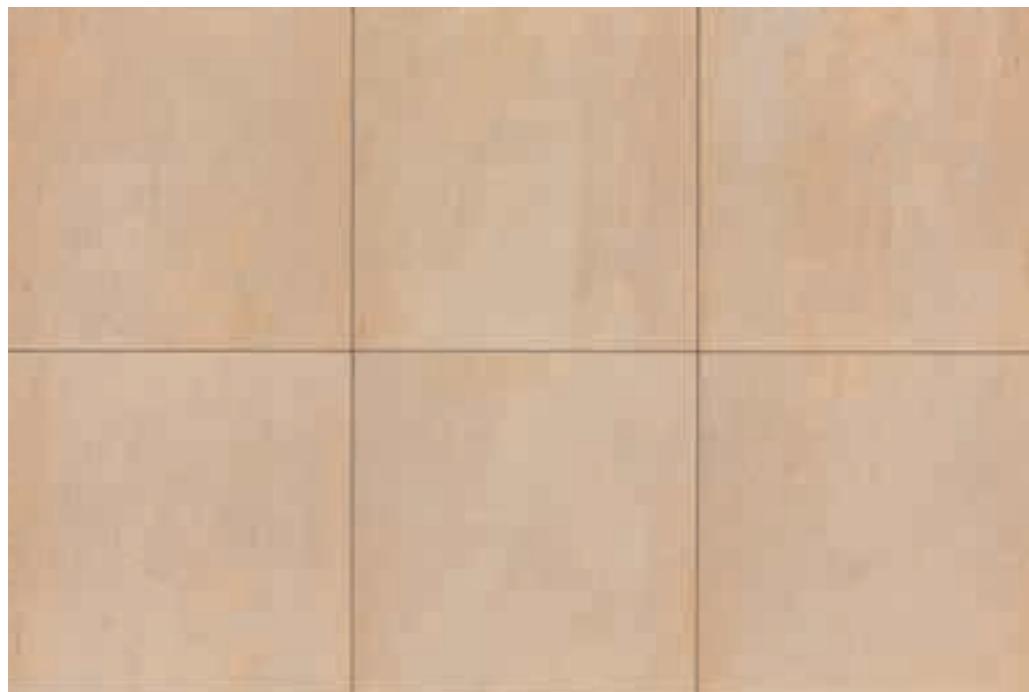
**GREY TENERIFE L2**



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nat. rett.  
LGWK283

60,4x60,4cm / 24"x24"  
nat.  
LGWK282

**DORAL L2**



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nat. rett.  
LGWK241

60,4x60,4cm / 24"x24"  
nat.  
LGWK240

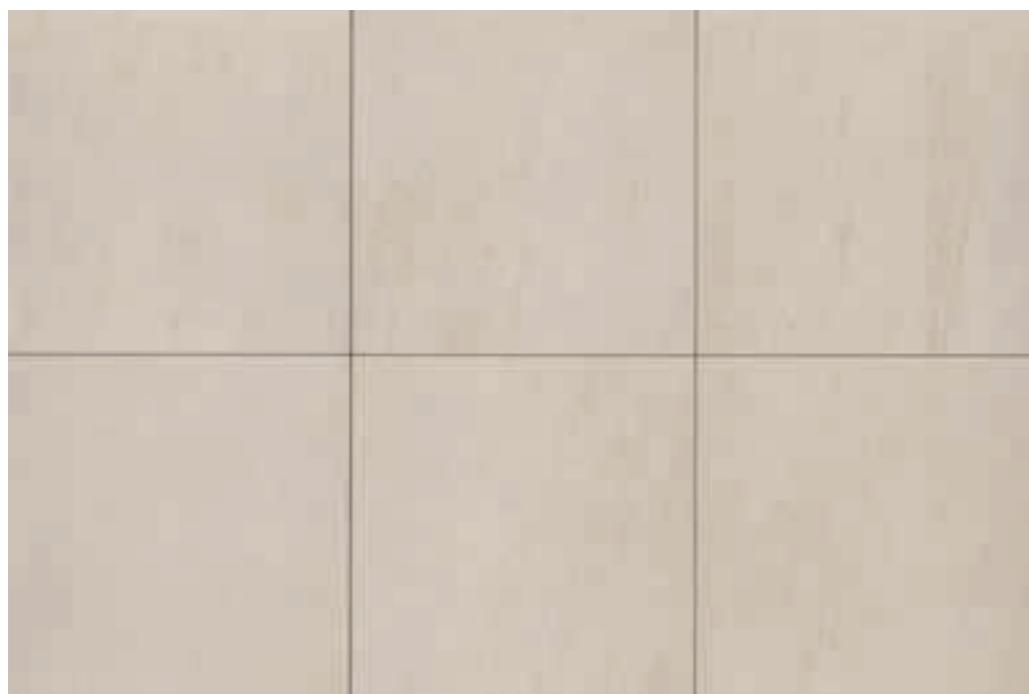
**GNEISS L2**



60x60cm / 24"x24"  
nat. rett.  
LGWK261

60,4x60,4cm / 24"x24"  
nat.  
LGWK260

**SILVER L2**



60x60cm / 24"x24"  
nat. rett.  
LGWK251

60,4x60,4cm / 24"x24"  
nat.  
LGWK250

**DORÈ L2**



60x60cm / 24"x24"  
nat. rett.  
LGWK279

60,4x60,4cm / 24"x24"  
nat.  
LGWK278

**GRISE L2**



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nat. rett.  
LGWK271

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nat.  
LGWK270

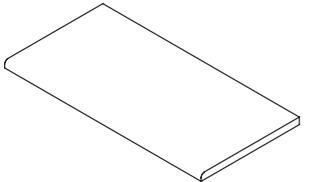
**ECRU L2**



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nat. rett.  
LGWK276

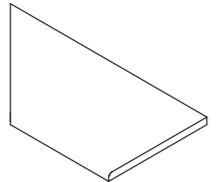
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nat.  
LGWK275

## COSTA TORO



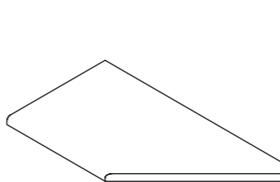
COSTA TORO rett.  
30x60cm / 12"x24"

|                        |         |
|------------------------|---------|
| lime L2                | LGVK2F0 |
| cendre L2              | LGVK2F1 |
| oak patinato chiaro L2 | LGVK2F2 |
| oak patinato scuro L2  | LGVK2F3 |
| doral L2               | LGVK2F4 |
| silver L2              | LGVK2F5 |
| gneiss L2              | LGVK2F6 |
| dorè L2                | LGVK225 |
| ecru L2                | LGVK226 |
| grise L2               | LGVK227 |
| lodge grove L2         | LGVK258 |
| lodge brown L2         | LGVK228 |
| lodge greige L2        | LGVK229 |
| lodge grey L2          | LGVK259 |
| white dover L2         | LGVK278 |
| beige madeira L2       | LGVK279 |
| taupe moher L2         | LGVK280 |
| grey tenerife L2       | LGVK281 |



COSTA TORO ANGOLARE SX rett.  
30x60cm / 12"x24"

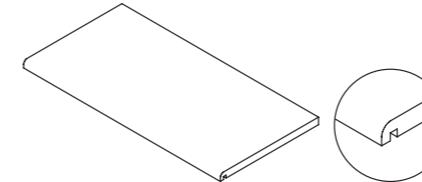
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| oak patinato scuro L2  | LGVK2K3 |
| doral L2               | LGVK2K4 |
| silver L2              | LGVK2K5 |
| gneiss L2              | LGVK2K6 |
| dorè L2                | LGVK205 |
| ecru L2                | LGVK206 |
| grise L2               | LGVK207 |
| lodge grove L2         | LGVK256 |
| lodge brown L2         | LGVK208 |
| lodge greige L2        | LGVK209 |
| lodge grey L2          | LGVK257 |
| white dover L2         | LGVK2B1 |
| beige madeira L2       | LGVK2B4 |
| taupe moher L2         | LGVK2B6 |
| grey tenerife L2       | LGVK2B8 |



COSTA TORO ANGOLARE DX rett.  
30x60cm / 12"x24"

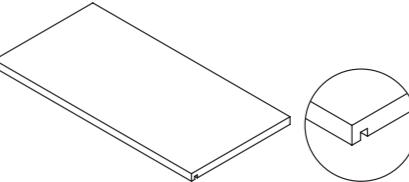
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| oak patinato chiaro L2 | LGVK2Y2 |
| oak patinato scuro L2  | LGVK2Y3 |
| doral L2               | LGVK2Y4 |
| silver L2              | LGVK2Y5 |
| gneiss L2              | LGVK2Y6 |
| dorè L2                | LGVK210 |
| ecru L2                | LGVK211 |
| grise L2               | LGVK212 |
| lodge grove L2         | LGVK254 |
| lodge brown L2         | LGVK213 |
| lodge greige L2        | LGVK214 |
| lodge grey L2          | LGVK255 |
| white dover L2         | LGVK2B0 |
| beige madeira L2       | LGVK2B3 |
| taupe moher L2         | LGVK2B5 |
| grey tenerife L2       | LGVK2B7 |

## COSTA CON GOCCIOLATOIO



COSTA TORO CON GOCCIOLATOIO rett.  
30x60cm / 12"x24"

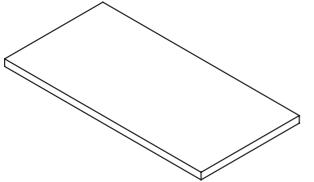
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| doral L2               | LGVK2L4 |
| silver L2              | LGVK2L5 |
| gneiss L2              | LGVK2L6 |
| dorè L2                | LGVK240 |
| ecru L2                | LGVK241 |
| grise L2               | LGVK242 |
| lodge grove L2         | LGVK266 |
| lodge brown L2         | LGVK243 |
| lodge greige L2        | LGVK244 |
| lodge grey L2          | LGVK267 |
| white dover L2         | LGVK274 |
| beige madeira L2       | LGVK275 |
| taupe moher L2         | LGVK276 |
| grey tenerife L2       | LGVK277 |



COSTA RETTA CON GOCCIOLATOIO rett.  
30x60cm / 12"x24"

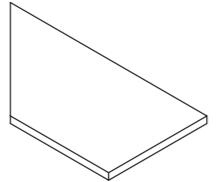
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| oak patinato scuro L2  | LGVK2M3 |
| doral L2               | LGVK2M4 |
| silver L2              | LGVK2M5 |
| gneiss L2              | LGVK2M6 |
| dorè L2                | LGVK245 |
| ecru L2                | LGVK246 |
| grise L2               | LGVK247 |
| lodge grove L2         | LGVK262 |
| lodge brown L2         | LGVK248 |
| lodge greige L2        | LGVK249 |
| lodge grey L2          | LGVK263 |
| white dover L2         | LGVK282 |
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| taupe moher L2         | LGVK284 |
| grey tenerife L2       | LGVK285 |

## COSTA RETTA



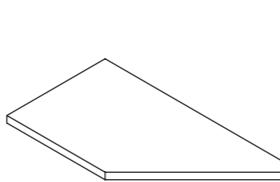
COSTA RETTA rett.  
30x60cm / 12"x24"

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| doral L2               | LGVK2C4 |
| silver L2              | LGVK2C5 |
| gneiss L2              | LGVK2C6 |
| dorè L2                | LGVK200 |
| ecru L2                | LGVK201 |
| grise L2               | LGVK202 |
| lodge grove L2         | LGVK260 |
| lodge brown L2         | LGVK203 |
| lodge greige L2        | LGVK204 |
| lodge grey L2          | LGVK261 |
| white dover L2         | LGVK290 |
| beige madeira L2       | LGVK291 |
| taupe moher L2         | LGVK292 |
| grey tenerife L2       | LGVK293 |



COSTA RETTA ANGOLARE SX rett.  
30x60cm / 12"x24"

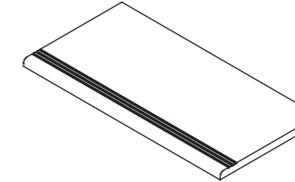
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| oak patinato scuro L2  | LGVK2D3 |
| doral L2               | LGVK2D4 |
| silver L2              | LGVK2D5 |
| gneiss L2              | LGVK2D6 |
| dorè L2                | LGVK215 |
| ecru L2                | LGVK216 |
| grise L2               | LGVK217 |
| lodge grove L2         | LGVK252 |
| lodge brown L2         | LGVK218 |
| lodge greige L2        | LGVK219 |
| lodge grey L2          | LGVK253 |
| white dover L2         | LGVK2A1 |
| beige madeira L2       | LGVK2A4 |
| taupe moher L2         | LGVK2A6 |
| grey tenerife L2       | LGVK2A8 |



COSTA RETTA ANGOLARE DX rett.  
30x60cm / 12"x24"

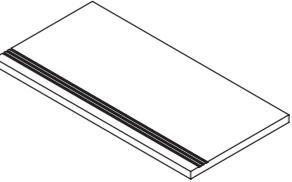
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| oak patinato scuro L2  | LGVK2E3 |
| doral L2               | LGVK2E4 |
| silver L2              | LGVK2E5 |
| gneiss L2              | LGVK2E6 |
| dorè L2                | LGVK220 |
| ecru L2                | LGVK221 |
| grise L2               | LGVK222 |
| lodge grove L2         | LGVK250 |
| lodge brown L2         | LGVK223 |
| lodge greige L2        | LGVK224 |
| lodge grey L2          | LGVK251 |
| white dover L2         | LGVK2A0 |
| beige madeira L2       | LGVK2A3 |
| taupe moher L2         | LGVK2A5 |
| grey tenerife L2       | LGVK2A7 |

## COSTA STEP



COSTA TORO STEP rett.  
30x60cm / 12"x24"

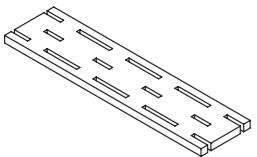
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| oak patinato scuro L2  | LGVK2J3 |
| doral L2               | LGVK2J4 |
| silver L2              | LGVK2J5 |
| gneiss L2              | LGVK2J6 |
| dorè L2                | LGVK235 |
| ecru L2                | LGVK236 |
| grise L2               | LGVK237 |
| lodge grove L2         | LGVK268 |
| lodge brown L2         | LGVK238 |
| lodge greige L2        | LGVK239 |
| lodge grey L2          | LGVK269 |
| white dover L2         | LGVK270 |
| beige madeira L2       | LGVK271 |
| taupe moher L2         | LGVK272 |
| grey tenerife L2       | LGVK273 |



COSTA RETTA STEP rett.  
30x60cm / 12"x24"

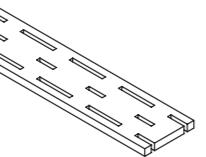
|                        |         |
|------------------------|---------|
| lime L2                | LGVK2G0 |
| cendre L2              | LGVK2G1 |
| oak patinato chiaro L2 | LGVK2G2 |
| oak patinato scuro L2  | LGVK2G3 |
| doral L2               | LGVK2G4 |
| silver L2              |         |

## GRIGLIA



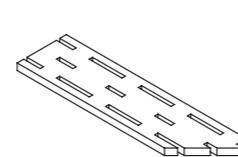
GRIGLIA rett.  
15x60cm / 6"x24"

|                        |         |
|------------------------|---------|
| lime L2                | LG1K2G0 |
| cendre L2              | LG1K2G1 |
| oak patinato chiaro L2 | LG1K2G2 |
| oak patinato scuro L2  | LG1K2G3 |
| doral L2               | LG1K2G4 |
| silver L2              | LG1K2G5 |
| gneiss L2              | LG1K2G6 |
| dorè L2                | LG1K200 |
| ecru L2                | LG1K201 |
| grise L2               | LG1K202 |
| lodge grove L2         | LG1K219 |
| lodge brown L2         | LG1K203 |
| lodge greige L2        | LG1K204 |
| lodge grey L2          | LG1K220 |
| white dover L2         | LG1K221 |
| beige madeira L2       | LG1K222 |
| taupe moher L2         | LG1K223 |
| grey tenerife L2       | LG1K224 |



GRIGLIA ANGOLARE SX rett.  
15x60cm / 6"x24"

|                        |         |
|------------------------|---------|
| lime L2                | LG1K2S0 |
| cendre L2              | LG1K2S1 |
| oak patinato chiaro L2 | LG1K2S2 |
| oak patinato scuro L2  | LG1K2S3 |
| doral L2               | LG1K2S4 |
| silver L2              | LG1K2S5 |
| gneiss L2              | LG1K2S6 |
| dorè L2                | LG1K210 |
| ecru L2                | LG1K211 |
| grise L2               | LG1K212 |
| lodge grove L2         | LG1K215 |
| lodge brown L2         | LG1K213 |
| lodge greige L2        | LG1K214 |
| lodge grey L2          | LG1K216 |
| white dover L2         | LG1K226 |
| beige madeira L2       | LG1K228 |
| taupe moher L2         | LG1K232 |
| grey tenerife L2       | LG1K231 |



GRIGLIA ANGOLARE DX rett.  
15x60cm / 6"x24"

|                        |         |
|------------------------|---------|
| lime L2                | LG1K2D0 |
| cendre L2              | LG1K2D1 |
| oak patinato chiaro L2 | LG1K2D2 |
| oak patinato scuro L2  | LG1K2D3 |
| doral L2               | LG1K2D4 |
| silver L2              | LG1K2D5 |
| gneiss L2              | LG1K2D6 |
| dorè L2                | LG1K205 |
| ecru L2                | LG1K206 |
| grise L2               | LG1K207 |
| lodge grove L2         | LG1K217 |
| lodge brown L2         | LG1K208 |
| lodge greige L2        | LG1K209 |
| lodge grey L2          | LG1K218 |
| white dover L2         | LG1K225 |
| beige madeira L2       | LG1K227 |
| taupe moher L2         | LG1K229 |
| grey tenerife L2       | LG1K230 |



OAK PATINATO  
CHIARO L2 60x60 rett.

OAK PATINATO  
SCURO L2 60x60 rett.

# CARATTERISTICHE TECNICHE

## TECHNICAL CHARACTERISTICS

>>>

### SYSTEM L2

#### gres tutta massa UGL

full-body porcelain  
grès cérame en pleine masse  
vollgemischtes durchgefärbtes feisteinzeug

**spessore 20mm**  
thickness  
épaisseur  
stärke

| CONFORME - ACCORDING TO - CONFORME - GEMÄß - IGUAL: ISO 13006 G - EN 14411 G  |   |  |   | LEA |
|---|---|--|---|-----|
| <b>CARATTERISTICHE TECNICHE</b><br>TECHNICAL CHARACTERISTICS<br>CARACTÉRISTIQUES TECHNIQUES<br>TECHNISCHE EIGENSCHAFTEN<br>CARACTERÍSTICAS TÉCNICAS   | <b>metodo di prova ISO</b><br>test method ISO<br>méthode d'essai ISO<br>prüfmethode ISO<br>método de prueba ISO | <b>requisiti prescritti</b><br>required values<br>valeur requise<br>vorgeschriebener wert<br>requisitos prescritos | <b>valori medi</b><br>average values<br>valeurs moyens<br>durchschnittliche werte<br>valores medianos |     |
|   |   | ISO 13006 - G / EN 14411 - G<br>gruppo / group B1a   | UGL: non smaltato<br>UGL: unglazed  |     |
|  assorbimento d'acqua (E)<br>water absorption (E)<br>absorption d'eau (E)<br>wasserabsorption (E)<br>absorción de agua (E)   | ISO 10545-3   | E ≤ 0,5%   | ≤ 0,04%   |     |
|  resistenza alla flessione<br>bending strength<br>résistance à la flexion<br>beigefestigkeit<br>resistencia a la flexión   | ISO 10545-4   | ≥ 35 N/mm²   | ≥ 50 N/mm²  |     |
|  sforzo di rottura (S)<br>breaking strength (S)<br>chargement de rupture (S)<br>bruchlast (S)<br>esfuerzo de rotura (S)  | ISO 10545-4   | ≥ 1'300 N  | ≥ 13'600 N  |     |
|  classe requisiti meccanici<br>mechanical classification<br>résistance mécanique<br>Klasse mechanisches Erfordernis<br>clasificación mecánica                                  | EN 1339-F   | non richiesto<br>not required<br>nicht erforderlich<br>pas nécessaire<br>no se requiere                            | U11   |     |
|  resistenza all'abrasione profonda<br>resistance to deep abrasion<br>résistance à l'abrasion profonde<br>widerstand gegen tiefenabriever<br>resistencia a la abrasión profunda | ISO 10545-6   | ≤ 175 mm³  | ≤ 145 mm³   |     |
|  dilatazione termica lineare<br>linear thermal expansion<br>dilatation thermique linéaire<br>thermische dilatation<br>dilatación térmica linear                                | ISO 10545-8   | requisito non previsto<br>iso makes no provision<br>for this test  | α≤7x10⁻⁶ °C⁻¹   |     |
|  resistenza agli sbalzi termici<br>thermal shock resistance<br>résistance aux chocs thermiques<br>temperaturwechselbeständigkeit<br>resistencia a los cambios térmico          | ISO 10545-9   | requisito non previsto<br>iso makes no provision<br>for this test  | resistente<br>resistant<br>résistant<br>beständig<br>resistente                                       |     |
|  resistenza al gelo<br>frost resistance<br>résistance au gel<br>frostbeständigkeit<br>resistencia al hielo   | ISO 10545-12  | nessuna alterazione<br>no alterations  | resistente<br>resistant<br>résistant<br>beständig<br>resistente                                       |     |
|  resistenza attacco chimico*<br>chemical resistance<br>résistance chimique<br>chemische beständigkeit<br>resistencia unión química   | ISO 10545-13  | come indicato dal produttore<br>as indicated by manufacturer   | ULA - UHA (resistente)<br>(resistant)<br>(résistant)<br>(beständig)<br>(resistente)                   |     |
|  resistenza alle macchie<br>stain resistance<br>résistance aux taches<br>fleckbeständigkeit<br>resistencia a las manchas   | ISO 10545-14  | classe 3 min.  | classe 5 (resistente)<br>(resistant)<br>(résistant)<br>(beständig)<br>(resistente)                    |     |

| ACCORDING TO ANSI A 137.1 UNGLAZED PORCELAIN TILES (CLASS P1)  |                  |                          |                                  | LEA |
|--|------------------|--------------------------|----------------------------------|-----|
| TECHNICAL CHARACTERISTICS  | test method ASTM | required values          | average values                   |     |
|  |                  | ANSI A 137.1             | UGL: unglazed                    |     |
|  water absorption           | ASTM C373        | ≤ 0.5% (fully vitrified) | compliant                        |     |
|  breaking strength          | ASTM C648        | ≥ 250 lbs                | ≥ 2800 lbs                       |     |
|  deep abrasion resistance   | ASTM C1243       | ≤ 175 mm³                | compliant                        |     |
|  linear thermal expansion | ASTM C372        | not required             | α≤8x10⁻⁶ °C⁻¹<br>α≤4.4x10⁻⁶ °F⁻¹ |     |
|  thermal shock resistance | ASTM C484        | no alterations           | resistant                        |     |
|  chemical resistance*     | ASTM C650        | not required             | resistant                        |     |
|  frost resistance         | ASTM C1026       | not required             | resistant                        |     |
|  bond resistance          | ASTM C482        | ≥ 50 PSI                 | compliant                        |     |
|  stain resistance         | CTI 81-7 Ann. D  | not required             | resistant                        |     |

| CARATTERISTICHE TECNICHE<br>TECHNICAL CHARACTERISTICS<br>CARACTÉRISTIQUES TECHNIQUES<br>TECHNISCHE EIGENSCHAFTEN                         | metodo di prova<br>test method<br>methode d'essai<br>prufmethode | valori medi<br>average values<br>valeurs moyens<br>durchschnittliche werte |
|--|--|--|
| resistenza allo scivolamento<br>slip resistance<br>résistance au glissement<br>rutschfestigkeit  | DIN 51130  | R11  |
| resistenza allo scivolamento<br>slip resistance<br>résistance au glissement<br>rutschfestigkeit  | DIN 51097  | C (A+B+C)  |
| coefficiente di attrito dinamico<br>dynamic friction coefficient<br>coefficient de friction dynamique<br>dynamischer reibungskoeffizient | B.C.R. tortus  | $\mu > 0,40$   |
| dynamic coefficient of friction (DCOF)   | ANSI A 137.1:2012  | DCOF $\geq 0,42$   |
| static coefficient of friction (COF)   | ASTM C1028   | dry - COF $\geq 0,60$<br>wet - COF $\geq 0,60$                             |
| wet pendulum test AUS  | AS 4586:2013   | class P4 (W)   |
| pendulum test UK   | BS 7976:2002   | slider 96 wet: 36+<br>slider 55 wet: 36+                                   |

| STONALIZZAZIONE<br>SHADING<br>DENUANÇAGE<br>SPIELFARBIG                             |  |
|---|--|
|  | V2<br>white dover L2 / beige madeira L2 / taupe shine L2 / grey tenerife L2  |
|  | V3<br>lime L2 / cendre L2 / oak patinato chiaro L2 / oak patinato scuro L2   |
|  | V4<br>lodge grove L2 / lodge greige L2 / lodge brown L2 / lodge grey L2<br>doral L2 / silver L2 / gneiss L2 / dorè L2 / ecru L2 / grise L2 |

| IMBALLAGGI<br>PACKING<br>EMBALLAGE<br>VERPACKUNGEN | articolo  | scatola |    |      | europallet |     |      |        |
|--|-----------|---------|----|------|------------|-----|------|--------|
|  |           | pz.     | mq | kg   | scat.      | mq  | kg   |        |
| fondo  | 30x120    | 24"x48" | 2  | 0,72 | 33,3       | 16  | 11,5 | 532,0  |
| fondo  | 60,4x60,4 | 24"x24" | 2  | 0,73 | 33,5       | 32  | 23,3 | 1072,0 |
| fondo  | 60x60     | 24"x24" | 2  | 0,72 | 32,5       | 32  | 23,0 | 1040,0 |
| costa toro   | 30x60     | 12"x24" | 1  | 0,18 | 8,1        | 100 | 18,0 | 812,5  |
| costa toro angolare                                | 30x60     | 12"x24" | 1  | 0,14 | 6,1        | 100 | 13,5 | 610,0  |
| costa retta  | 30x60     | 12"x24" | 1  | 0,18 | 8,1        | 100 | 18,0 | 812,5  |
| costa retta angolare                               | 30x60     | 12"x24" | 1  | 0,14 | 6,1        | 100 | 13,5 | 610,0  |
| costa toro step                                    | 30x60     | 12"x24" | 1  | 0,18 | 8,1        | 100 | 18,0 | 812,5  |
| costa retta step                                   | 30x60     | 12"x24" | 1  | 0,18 | 8,1        | 100 | 18,0 | 812,5  |
| costa toro con gocc.                               | 30x60     | 12"x24" | 1  | 0,18 | 8,1        | 100 | 18,0 | 812,5  |
| costa retta con gocc.                              | 30x60     | 12"x24" | 1  | 0,18 | 8,1        | 100 | 18,0 | 812,5  |
| griglia  | 15x60     | 6"x24"  | 2  | 0,18 | 8,0        | 100 | 18,0 | 800,0  |
| griglia angolare                                   | 15x60     | 6"x24"  | 2  | 0,16 | 7,0        | 100 | 15,8 | 700,0  |

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# CERTIFICAZIONI - CERTIFICATIONS

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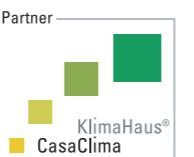
▲ ISO 14001



▲ ISO 9001



▲ emas



▲ casaclima



▲ leed\*



▲ leed\*\*



▲ marchio CE

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