

# cosmos



## indoor&outdoor

  
CERAMICHE DAL 1938

# cosmos

## indoor&outdoor

**Gres porcellanato con colorazione in massa.**

Porcelain stoneware with mass colouring.

Grès cérame avec pate colorée.

Durchgefärbtes Feinsteinzeug.

Фарфоровый керамогранит, окрашенный по всей толщине.

### Indoor



45x90 Rett.  
18"x36"

± 10 mm



30x60 Nat.  
29,7x59,5 Rett.  
12"x24"

± 9 mm



20x40  
8"x16"

± 8,3 mm



20x20  
8"x8"

### Outdoor



45x90 Rett.  
18"x36"

± 10 mm



30x60 Nat.  
29,7x59,5 Rett.  
12"x24"

± 9 mm



15x30  
6"x12"

± 8 mm

| Superfici  | In  | Out   |
|--|---|---|
| Surfaces<br>Surfaces<br>Oberflächen<br>Поверхность | Superficie naturale<br>Natural surface<br>Surface naturelle<br>Matt Oberfläche<br>Натуральный поверхность | Superficie per esterni<br>Surface for external use<br>Berfläche für Aussenbereich<br>Finition pour l'extérieur<br>Поверхность для внешней укладки |



cosmos  
**GESSO**







30x60 . 12"x24" Cosmos Indoor Gesso

cosmos  
**CALCARE**







30x60 . 12"x24" Cosmos Indoor Calcare



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**CEMENTO**







**ESTERNO**  
30x60 . 12"x24" Cosmos Outdoor Cemento

**INTERNO**  
30x60 . 12"x24" Cosmos Indoor Cemento  
Top: 160x320 . 63"x126" Pietrasanta Matt #12mm  
Wall: 59x117,5 . 23"x46" Pietrasanta Matt #6,5mm



cosmos  
**OSSIDO**



**saima**  
CERAMICHE DAL 1938

Cosmos Indoor Ossido





30x60 . 12"x24" Cosmos Indoor Ossido



cosmos  
**GRAFITE**





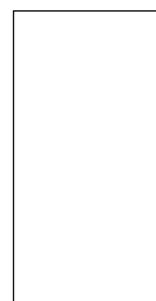


30x60 . 12"x24" Cosmos Indoor Grafite



# cosmos outdoor

## Outdoor R11 A+B+C



45x90 Rett.  
18"x36"

± 10 mm



30x60 Nat.  
29,7x59,5 Rett.  
12"x24"

± 9 mm



15x30  
6"x12"

± 8 mm

| Superfici  | Out   |
|--|---|
| Surfaces<br>Surfaces<br>Oberflächen<br>Поверхность | Superficie per esterni<br>Surface for external use<br>Berfläche für Aussenbereich<br>Finition pour l'extérieur<br>Поверхность для внешней укладки |



15x30 . 6"x12" Cosmos Outdoor Ossido



TECHNICAL  
SECTION

COSMOS



| Superfici  | In  | Out   |
|--|---|---|
| Surfaces<br>Surfaces<br>Oberflächen<br>Поверхность | Superficie naturale<br>Natural surface<br>Surface naturelle<br>Matt Oberfläche<br>Натуральный поверхность | Superficie per esterni<br>Surface for external use<br>Berfläche für Aussenbereich<br>Finition pour l'extérieur<br>Поверхность для внешней укладки |

## GIACCA



### Indoor



45x90 - 18"x36"  
**7600021** Indoor Rett.



30x60 - 12"x24"  
**7679271** Indoor

29,7x59,5 - 12"x24"  
**7679311** Indoor Rett.



20x40 - 8"x16"  
**7603601** Indoor



20x20 - 8"x8"  
**7603291** Indoor

### Outdoor



45x90 - 18"x36"  
**7600791** Outdoor Rett.



30x60 - 12"x24"  
**7679371** Outdoor

29,7x59,5 - 12"x24"  
**7679421** Outdoor Rett.



15x30 - 6"x12"  
**7700371** Outdoor

## CEMENTO



### Indoor



45x90 - 18"x36"  
**7600031** Indoor Rett.



30x60 - 12"x24"  
**7679291** Indoor

29,7x59,5 - 12"x24"  
**7679321** Indoor Rett.



20x40 - 8"x16"  
**7603611** Indoor



20x20 - 8"x8"  
**7603301** Indoor

### Outdoor



45x90 - 18"x36"  
**7600801** Outdoor Rett.



30x60 - 12"x24"  
**7679381** Outdoor

29,7x59,5 - 12"x24"  
**7679431** Outdoor Rett.



15x30 - 6"x12"  
**7700381** Outdoor

## PIEDRA



45x90 - 18"x36"  
**7960081** Indoor Rett.



30x60 - 12"x24"  
**7679261** Indoor

29,7x59,5 - 12"x24"  
**7679351** Indoor Rett.



20x40 - 8"x16"  
**7603591** Indoor



20x20 - 8"x8"  
**7603281** Indoor



45x90 - 18"x36"  
**7600781** Outdoor Rett.



30x60 - 12"x24"  
**7679361** Outdoor

29,7x59,5 - 12"x24"  
**7679411** Outdoor Rett.



15x30 - 6"x12"  
**7700411** Outdoor

## TRONCO



### Indoor



45x90 - 18"x36"  
**7600041** Indoor Rett.



30x60 - 12"x24"  
**7679301** Indoor

29,7x59,5 - 12"x24"  
**7679331** Indoor Rett.



20x40 - 8"x16"  
**7603621** Indoor



20x20 - 8"x8"  
**7603311** Indoor

### Outdoor



45x90 - 18"x36"  
**7600761** Outdoor Rett.



30x60 - 12"x24"  
**7679391** Outdoor

29,7x59,5 - 12"x24"  
**7679441** Outdoor Rett.



15x30 - 6"x12"  
**7700391** Outdoor

## Gres porcellanato con colorazione in massa.

Porcelain stoneware with mass colouring.

Grès cérame avec pâte colorée.

Durchgefärbtes Feinsteinzeug.

Фарфоровый керамогранит, окрашенный по всей толщине.

| Superfici  | In  | Out   |
|--|---|---|
| Surfaces<br>Surfaces<br>Oberflächen<br>Поверхность | Superficie naturale<br>Natural surface<br>Surface naturelle<br>Matt Oberfläche<br>Натуральный поверхность | Superficie per esterni<br>Surface for external use<br>Berfläche für Aussenbereich<br>Finition pour l'extérieur<br>Поверхность для внешней укладки |

## GRAFITE



### Indoor



45x90 - 18"x36"  
**7600051** Indoor Rett.



30x60 - 12"x24"  
**7679281** Indoor

29,7x59,5 - 12"x24"  
**7679341** Indoor Rett.



20x40 - 8"x16"  
**7603631** Indoor



20x20 - 8"x8"  
**7603321** Indoor

### Outdoor



45x90 - 18"x36"  
**7600771** Outdoor Rett.



30x60 - 12"x24"  
**7679401** Outdoor

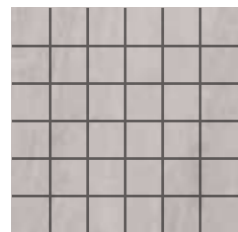
29,7x59,5 - 12"x24"  
**7679451** Outdoor Rett.



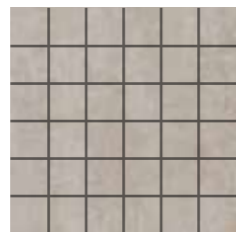
15x30 - 6"x12"  
**7700401** Outdoor

## Decor. Decors. Decorations. Dekore. Декор.

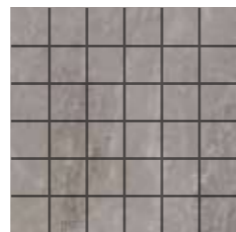
### MOSAICO 5x5 2"x2" 30x30 12"x12"



**7679531** Gesso Indoor



**7679571** Calcare Indoor



**7679541** Cemento Indoor



**7679551** Ossido Indoor



**7679561** Grafite Indoor

## Gres porcellanato con colorazione in massa.

Porcelain stoneware with mass colouring.

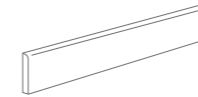
Grès cérame avec pate colorée.

Durchgefärbtes Feinsteinzeug.

Фарфоровый керамогранит, окрашенный по всей толщине.

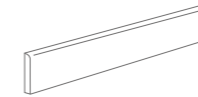
## Pezzi speciali. Trims. Pieces speciales. Formstücke. Специальные изделия.

### Indoor



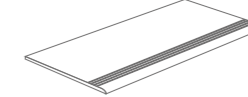
**Battiscopa Indoor**  
7,5x60 . 3"x24"

**7676272** Gesso Indoor  
**7676262** Calcare Indoor  
**7676292** Cemento Indoor  
**7676702** Ossido Indoor  
**7676282** Grafite Indoor



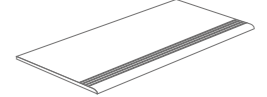
**Battiscopa Indoor Rett.**  
7,5x59,5 . 3"x24"

**7676274** Gesso Indoor Rett.  
**7676264** Calcare Indoor Rett.  
**7676294** Cemento Indoor Rett.  
**7676704** Ossido Indoor Rett.  
**7676284** Grafite Indoor Rett.



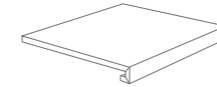
**Gradino Step Indoor**  
30x60 . 12"x24"

**7676273** Gesso Indoor  
**7676263** Calcare Indoor  
**7676293** Cemento Indoor  
**7679703** Ossido Indoor  
**7679283** Grafite Indoor



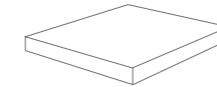
**Gradino Step Indoor Rett.**  
29,7x59,5 . 12"x24"

**7676275** Gesso Indoor Rett.  
**7676265** Calcare Indoor Rett.  
**7676295** Cemento Indoor Rett.  
**7679705** Ossido Indoor Rett.  
**7676285** Grafite Indoor Rett.



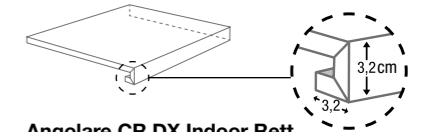
**Gradone CR Indoor Rett.**  
33,3x29,7 . 13"x12"

**7676276** Gesso Indoor Rett.  
**7676266** Calcare Indoor Rett.  
**7676386** Cemento Indoor Rett.  
**7679706** Ossido Indoor Rett.  
**7676286** Grafite Indoor Rett.



**Angolare CR SX Indoor Rett.**  
33,3x29,7 . 13"x12"

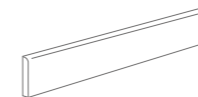
**7676277** Gesso Indoor Rett.  
**7676268** Calcare Indoor Rett.  
**7676387** Cemento Indoor Rett.  
**7679707** Ossido Indoor Rett.  
**7676287** Grafite Indoor Rett.



**Angolare CR DX Indoor Rett.**  
33,3x29,7 . 13"x12"

**7676278** Gesso Indoor Rett.  
**7676267** Calcare Indoor Rett.  
**7676388** Cemento Indoor Rett.  
**7679708** Ossido Indoor Rett.  
**7676288** Grafite Indoor Rett.

### Outdoor



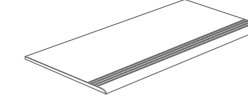
**Battiscopa Outdoor**  
7,5x60 . 3"x24"

**7679372** Gesso Outdoor  
**7679362** Calcare Outdoor  
**7679382** Cemento Outdoor  
**7679392** Ossido Outdoor  
**7679402** Grafite Outdoor



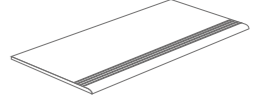
**Battiscopa Outdoor Rett.**  
7,5x59,5 . 3"x24"

**7679374** Gesso Outdoor Rett.  
**7679364** Calcare Outdoor Rett.  
**7676384** Cemento Outdoor Rett.  
**7676394** Ossido Outdoor Rett.  
**7679404** Grafite Outdoor Rett.



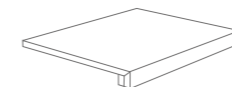
**Gradino Step Outdoor**  
30x60 . 12"x24"

**7679373** Gesso Outdoor  
**7679363** Calcare Outdoor  
**7679383** Cemento Outdoor  
**7679393** Ossido Outdoor  
**7676403** Grafite Outdoor



**Gradino Step Outdoor Rett.**  
29,7x59,5 . 12"x24"

**7676375** Gesso Outdoor Rett.  
**7676364** Calcare Outdoor Rett.  
**7676383** Cemento Outdoor Rett.  
**7679793** Ossido Outdoor Rett.  
**7676405** Grafite Outdoor Rett.



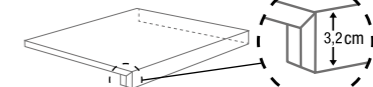
**Gradone DP Outdoor Rett.**  
33,3x29,7 . 13"x12"

**7676279** Gesso Outdoor Rett.  
**7676269** Calcare Outdoor Rett.  
**7676389** Cemento Outdoor Rett.  
**7679709** Ossido Outdoor Rett.  
**7679287** Grafite Outdoor Rett.



**Angolare DP SX Outdoor Rett.**  
33,3x29,7 . 13"x12"

**7679280** Gesso Outdoor Rett.  
**7676270** Calcare Outdoor Rett.  
**7679390** Cemento Outdoor Rett.  
**7679710** Ossido Outdoor Rett.  
**7679288** Grafite Outdoor Rett.



**Angolare DP DX Outdoor Rett.**  
33,3x29,7 . 13"x12"

**7676280** Gesso Outdoor Rett.  
**7679270** Calcare Outdoor Rett.  
**7676390** Cemento Outdoor Rett.  
**7679711** Ossido Outdoor Rett.  
**7679289** Grafite Outdoor Rett.









**Elemento Elle Pressa Outdoor**  
15x30x3,5 . 6"x12"x1,4"

**7679366** Gesso Outdoor  
**7679365** Calcare Outdoor  
**7679367** Cemento Outdoor  
**7679369** Ossido Outdoor  
**7679368** Grafite Outdoor



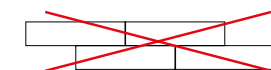
Imballi. Packing. Emballages. Verpackung. Упаковка.

|                       |                      |  mm |  PCS / BOX |  M2 / BOX |  BOX / PLT |  M2 / PLT |  KG / PLT |
|-----------------------|----------------------|--|---|--|--|--|--|
| 45x90                 | Rett.                | 10   | 3   | 1,215  | 30   | 36,45  | 840  |
| 30x60                 |                      | 9  | 7   | 1,26   | 40   | 50,40  | 989  |
| 29,7x59,5             | Rett.                | 9  | 7   | 1,24   | 40   | 49,60  | 973  |
| 20x40                 |                      | 8,3  | 18  | 1,44   | 56   | 80,64  | 1359   |
| 20x20                 |                      | 8,3  | 30  | 1,20   | 68   | 81,60  | 1346   |
| 15x30                 |                      | 8  | 23  | 1,04   | 75   | 78,00  | 1239   |
| 30x30                 | Mosaico 5x5          | 9  | 11  | 1,00   | -  | -  | -  |
| <b>Pezzi speciali</b> |                      |  |   |  |  |  |  |
| 7,5x60                | Battiscopa           | -  | 14  | 8,40 ml  | -  | -  | -  |
| 7,5x59,5              | Battiscopa Rett.     | -  | 14  | 8,33 ml  | -  | -  | -  |
| 30x60                 | Gradino Step         | -  | 7   | 4,20 ml  | -  | -  | -  |
| 29,7x59,5             | Gradino Step Rett.   | -  | 7   | 4,16 ml  | -  | -  | -  |
| 33,3x29,7x3,2         | Gradone CR Rett.     | -  | 4   | 1,18 ml  | -  | -  | -  |
| 33,3x29,7x3,2         | Angolare CR Rett.    | -  | 2   | -  | -  | -  | -  |
| 33,3x29,7x3,2         | Gradone DP Rett.     | -  | 4   | 1,18 ml  | -  | -  | -  |
| 33,3x29,7x3,2         | Angolare DP Rett.    | -  | 2   | -  | -  | -  | -  |
| 15x30x3,5             | Elemento Elle Pressa | -  | 8   | 2,40 ml  | -  | -  | -  |

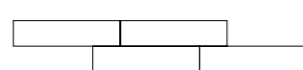
### Posa consigliata.

Recommendend installation. Installation recommandée. Installation empfohlen. Установка рекомендуется.

**1/2** NO - NO - NON - NEIN - HET



**1/4** SI - YES - OUI - JA - ДА



### Fuga minima consigliata.

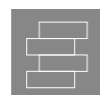
Advised minimum joint. Joint minimal conseillé. Empfohlte fugе. Минимальный рекомендованный шов между плитками.



















**FUGA 2 mm**  
PER RETTIFICATO



**FUGA > 3 MM**  
PER NATURALE



**POSA 1/4**

| Simbologia<br>Symbolics<br>Symboles<br>Symbole<br>Simbologias<br>Символы              | Caratteristiche<br>Features<br>Caracteristiques<br>Eigenschaften<br>Caracteristicas<br>Характеристика  | Unità di misura<br>Unit of measurement<br>Unité de mesure<br>Masseinheit<br>Unidad de medida<br>Единица измерения | GRUPPO DI APPARTENENZA SECONDO ISO 13006   |   |   |
|---|--|---|--|---|---|
|   |  |   | Valore medio Saima<br>Saima mean value<br>Valeur moyenne Saima<br>Durchschnittswert-Saima<br>Valor medio Saima<br>Среднее значение Saima | Valore prescritto<br>Fixed value<br>Valeur prescrite<br>Vorgeschriebener Wert<br>Valor prescrito<br>Требуемое значение  | Metodo di prova<br>Test method<br>Méthode d'essai<br>Prüfmethode<br>Método de ensayo<br>Метод испытания |
|    | <b>Dimensione lati</b><br>Dimensions-Length and width<br>Dimensions-Longueur et largeur<br>Masse-Länge und Breite<br>Dimensiones-Longitud y ancho<br>Размеры сторон  | %   | +/- 0,4  | +/- 0,6 max   | UNI EN ISO 10545-2  |
|    | <b>Rettilinearità dei lati</b><br>Side straightness<br>Rectitude des arêtes<br>Geradlinigkeit der Kanten<br>Rectilinedad de los lados<br>Прямолинейность сторон  | %   | +/- 0,4  | +/- 0,5 max   | UNI EN ISO 10545-2  |
|    | <b>Ortogonalità degli spigoli</b><br>Corner squareness<br>Angularité<br>Rechtwinkligkeit der Kanten<br>Ortogonalidad de las esquinas<br>Ортогональность кромок   | %   | +/- 0,4  | +/- 0,6 max   | UNI EN ISO 10545-2  |
|    | <b>Planarità</b><br>Flatness<br>Planéité<br>Ebenföchigkeit<br>Planidad<br>Плоскостность  | %   | +/- 0,4  | +/- 0,5 max   | UNI EN ISO 10545-2  |
|    | <b>Spessore</b><br>Thickness<br>Epaisseur<br>Dicke<br>Grosor<br>Толщина  | %   | +/- 5,0  | +/- 5,0 max   | UNI EN ISO 10545-2  |
|    | <b>Assorbimento d'acqua</b><br>Water absorption<br>Absorption d'eau<br>Wasseraufnahme<br>Absorción de agua<br>Водопоглощение   | %   | < 0,2  | ≤ 0,5   | UNI EN ISO 10545-3  |
|   | <b>Sforzo di rottura</b><br>Breaking strenght<br>Contrainte de rupture<br>Bruchkraft<br>Esfuerzo de rotura<br>Разрушающее усилие   | N   | > 1600   | ≥ 1300 se Spess. ≥ 7,5<br>≥ 700 se Spess. ≤ 7,5   | UNI EN ISO 10545-4  |
|  | <b>Modulo di rottura</b><br>Modulus of rupture<br>Coefficient de rupture<br>Bruchmodul<br>Módulo de rotura<br>Модуль разрыва   | N/mm <sup>2</sup>   | > 40   | ≥ 35  | UNI EN ISO 10545-4  |
|  | <b>Dilatazione termica lineare</b><br>Coeff. of linear thermal expansion<br>Coeff. d'extension thermique linéaire<br>Linearer Wärmeausdehnungs-Koeffizient<br>Coeficiente de dilatación térmica lineal<br>Линейное тепловое расширение   | *MK (-1)  | 7,0  | metodo disponibile<br>available method<br>méthode disponible<br>verfügbare methode<br>método disponible<br>требуемое значение   | UNI EN ISO 10545-8  |
|  | <b>Resistenza agli sbalzi termici</b><br>Thermal shock resistancy<br>Résistance aux chocs thermiques<br>Temperaturwechsel Beständigkeit<br>Resistencia a choque térmico<br>Стойкость к перепадам температуры   | -   | resiste<br>resist<br>résiste<br>widerstandsfähig<br>resiste<br>стойкий   | metodo disponibile<br>available method<br>méthode disponible<br>verfügbare methode<br>método disponible<br>требуемое значение   | UNI EN ISO 10545-9  |
|  | <b>Resistenza alle macchie</b><br>Stain resistance<br>Résistance au tâches<br>Flecken Beständigkeit<br>Resistencia a las manchas<br>Стойкость к образованию пятен  | -   | ≥ 3  | 3 MIN   | UNI EN ISO 10545-14   |
|  | <b>Resistenza ai prodotti chimici di uso domestico</b><br>Resistance to chemical products<br>Résistance aux produits chimiques<br>Beständigkeit gegen Chemikalien<br>Resistencia a los productos quimicos<br>Стойкость к бытовым химикатам   | -   | conforme<br>conform<br>conforme<br>gleichmässig<br>conforme<br>соответствует   | MIN GB  | UNI EN ISO 10545-13   |
|  | <b>Resistenza agli acidi e alle basi a bassa concentrazione</b><br>Resistant to acids and low concentration bases<br>Résistance aux acides et aux bases à faible concentration<br>Widerstandsfähig gegenüber niedrig konzentrierten Säuren und Laugen<br>Resistencia a los ácidos y las bases de baja concentración<br>Стойкость к низким концентрациям кислот и щелочей   | -   | MIN GLB  | secondo classificazione prodotto<br>according to product classification<br>selon classification produit<br>Gemäß Produktklassifizierung<br>согласно классификации продукции | UNI EN ISO 10545-13   |
|  | <b>Resistenza al gelo</b><br>Frost resistance<br>Résistance au gel<br>Frostbeständigkeit<br>Resistencia al hielo<br>Морозостойкость  | -   | resiste<br>resist<br>résiste<br>widerstandsfähig<br>resiste<br>стойкий   | richiesta<br>request<br>demande<br>anfrage<br>solicitud<br>требуемое значение   | UNI EN ISO 10545-12   |
|  | <b>Stabilità dei colori</b><br>Colour stability<br>Stabilité des coloris<br>Lichtechtheit der Färbung<br>Estabilidad de los colores<br>Цветостойкость  | -   | stabile<br>stable<br>stable<br>estable<br>стойкий  | metodo disponibile<br>available method<br>méthode disponible<br>verfügbare methode<br>método disponible<br>требуемое значение   | DIN 51094   |
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