due

20 mm thick
Through body porcelain

BORN TO BE OUTDOORS
ANTISLIP
WEAR RESISTANT
HIGHLY RESISTANT TO HEAVY LOADS
QUICK AND EASY INSTALLATION
REMOVABLE
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What is due2?

due2 is the 20 mm thick porcelain stoneware by Del Conca USA, the right solution for any type of outdoor flooring. due2 is hard-wearing, anti-slip, weather resistant and capable of withstanding heavy loads without compromising aesthetics. Del Conca USA offers corresponding or compatible porcelain tiles made in standard thickness so you can match outdoor with indoor décor.

due2 was created for quick and easy dry installations on grass, sand and gravel. It can also be used for raised flooring installations that are perfectly level, suitable for terraces and rooftops, allowing rainwater to flow below the floor where it is collected on a waterproof membrane. This installation creates an accessible cavity for utilities and could also improve the thermal insulation of the building.

due2 can be installed with adhesive for a floor extremely resistant to heavy loads.

due2 comes in a variety of styles and has several special pieces to match, such as steps and pool coping.
A matching or compatible version for interiors is available on series included in the due2 line.

Why to choose due2

- Resistant to sudden temperature changes
- Resistant to acid, chemicals, salt, etc.
- Frost resistant
- Easy to clean
- Quick and easy to install
- Resistant to acid, chemicals, salt, etc.
- Easy to remove
- Reusable
- Readily serviceable
- Installation with adhesive possible
- Matches interior flooring
- Antislip
- Special matching pieces
- Highly resistant to loads
- Allows water drainage
- Suitable for raised installations
- Extremely long-lasting
- Wide range of finishes
- Impervious

Outdoors: S9GO05 HGO 205 GRAY        Indoors: 44GO05 GO05 GRAY
Installation systems

Installation on screen
Highly resistant to loads

Installation on gravel

Installation on sand

Installation on grass

Raised installation
Installation on grass can be performed in two ways:

A) Direct:
- set the tile on grass leaving 1 1/2 - 2 inches wide joints to allow the grass to grow. Results will be long lasting but stability will be subject to soil movements.

B) On gravel base:
- remove the grass from the area underneath due2
- dig 2 inch deep in warm and dry climate, or deeper in cold or wet climates.
- compact the soil.
- fill the excavated area with gravel (size 1/6 - 1/3 inch) or sand and compact it.
- dry set due2

Recommended for larger areas, for installation with thin joints or joints without grass.
- Excavate the soil at least 4 inch deep in warm and dry climate, or deeper in cold or wet climates.
- Compact the soil at the bottom and ensure it is sloped (≥ 2%) to avoid stagnation of water.
- Optional - place a layer of geotextile to keep the gravel from sinking into the soil.
- Place and compact a layer of crushed stone or gravel (size 1/6 - 1/3 inch).
- Optional - place a layer of geotextile to separate aggregates.
- Place and compact a layer of fine gravel or sand (size 1/12 - 1/5 inch) to ease the leveling of the surface.
- Ensure the surface is level using a straightedge. A slight slope (≥ 1%) is recommended to ensure proper drainage of the floor.
- Dry set due2 leaving joints at least 1/8 inch wide. Tile spacers can be used to facilitate installation. Ensure the floor is level with a straightedge and use a rubber hammer to correct small differences in height.
- Fill the joints with very fine sand (size 0 - 1/8 inch) or polymeric sand.

Installation on sand can be performed directly:
- level and compact the sand
- dry set due2

Recommended for larger areas, for installation with thin joints or joints without grass.
- Excavate the soil at least 4 inch deep in warm and dry climate, or deeper in cold or wet climates.
- Compact the soil at the bottom and ensure it is sloped (≥ 2%) to avoid stagnation of water.
- Optional - place a layer of geotextile to keep the gravel from sinking into the soil.
- Place and compact a layer of crushed stone or gravel (size 1/6 - 1/3 inch).
- Place and compact a layer of fine gravel or sand (size 1/12 - 1/5 inch) to ease the leveling of the surface.
- Ensure the surface is level using a straightedge. A slight slope (≥ 1%) is recommended to ensure proper drainage of the floor.
- Dry set due2 leaving joints at least 1/8 inch wide. Tile spacers can be used to facilitate installation. Ensure the floor is level with a straightedge and use a rubber hammer to correct small differences in height.
- Fill the joints with very fine sand (size 0 - 1/8 inch) or polymeric sand.

The stratigraphy considered is solely indicative of the various types of application: we recommend referring to local regulations in order to achieve a correct installation.

Installation on concrete slab recommended for areas open to vehicular traffic or subject to very high stress:
- leave joints at least 1/8 inch wide and respect expansion joints.

To install on concrete slab on ground:
- complete the digging and compact the soil
- Place a layer of crushed stone or gravel
- Place the slab including optional steel mesh
- Install due2 with exterior-rated elastic adhesive

Installation with thin set on concrete slab recommended for areas open to vehicular traffic or subject to very high stress:
- leave joints at least 1/8 inch wide and respect expansion joints.

To install on concrete slab on ground:
- complete the digging and compact the soil
- Place a layer of crushed stone or gravel
- Place the slab including optional steel mesh
- Install due2 with exterior-rated elastic adhesive

The stratigraphy considered is solely indicative of the various types of application: we recommend referring to local regulations in order to achieve a correct installation.
Raised installation

On terraces or rooftops, it is possible to build a level raised floor that allows rainwater drainage. After the slab and its sloping screed are complete, install the waterproofing membrane. Position the pedestals, if necessary use the slope correctors. During the installation, adjust each pedestal to achieve a level floor.

How to cut it

To cut due2, it is necessary to use discs designed for Porcelain Stoneware, available for both dry and wet cutting.

PEDESTALS LOAD BEARING DETAILS

Operating load = 2204 lbs. (1000 kg) each. Breaking load > 4409 lbs. (2000 kg) each.

Adjustable pedestals with fixed head

Pre-cut tabs for easy removal

Reinforced adjustment key

Bi-metallic head (PP + rubber) anti-noise and anti-slip.

The self-levelling head allows it to automatically compensate any gradient up to 5%.

Adjustable pedestals with self-levelling head

The universal edge clip is made entirely from stainless steel. It incorporates a damper to absorb longitudinal and transverse thermal expansion and guarantees a secure grip. Use of these clips ensures a stable floor surface with a straight and elegant perimeter.

The stratigraphy considered is solely indicative of the various types of application: we recommend referring to local regulations in order to achieve a correct installation.

PEDESTALS LOAD BEARING DETAILS

Operating load = 1102 lbs. (500 kg) each. Breaking load > 2204 lbs. (1000 kg) each.

Adjustable pedestals with self-levelling head

For a proper water outflow we suggest to lay with 1% minimum slope.

The world’s first and only pedestal to be equipped with a head finished in rubber that’s capable of reducing noise levels to as little as 25 db.

Required pedestals

24x24 in
60x60 cm
16x24 in
40x60 cm
16x32 in
40x80 cm

For a correct installation for non-vehicular usage, place the pedestals as follows:

For slopes over 1%, two or more slope regulators can be piled up on each other.

The perfect join: attractive and functional

Our clip for vertical closure is designed to solve a typical problem of many external floors, i.e. how to fill in the gap around the edge when no perimeter wall is present. This solution represents an innovative, easy and elegant way to eliminate gaps around raised floors. The system consists of two special, stainless steel clips to be placed over the head and under the base of the pedestal. It creates a firm seat capable of gripping the section of floor cut to size to fill the gap. The use of our floor edge clip effectively prevents horizontal movement in floor slabs.

Download the technical instruction in DWG/PDF format from www.delconcausa.com.

For a proper water outflow we suggest to lay with 1% minimum slope.

Slope regulator

Download the technical instruction in DWG/PDF format from www.delconcausa.com.
Why Natural Edges?

Walk safe with the natural edges!

Natural edges are preferred. Outdoor spaces must be lived freely, and due2 with natural edges provides a comfortable edge to walk on barefoot, without affecting the aesthetic appearance; it is also more resistant to shocks on the edges during handling and installation.

Natural edges allow for joints as thin as 1/8 inch.
A wide range of 20 mm thick products with matching or compatible version for interiors.
SOAO10 - HAO210 BIANCO
16x32 in - 40x80 cm

SOAO05 - HAO205 GRAY
16x32 in - 40x80 cm

SOAO03 - HAO203 NATURAL
16x32 in - 40x80 cm

Packaging

<table>
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<tr>
<th>Boxes</th>
<th>16x32 in</th>
<th>78</th>
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<tbody>
<tr>
<td>62 ft²</td>
<td>48.00 lbs</td>
<td></td>
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</table>

Shade Variation

- Low
- Moderate
- High
- Random

16x32 in

| 78 |

Special Pieces

SOAO10G - Step / HAO210 BIANCO
16x32 in - 40x80 cm

SOAO05G - Step / HAO205 GRAY
16x32 in - 40x80 cm

SOAO03G - Step / HAO203 NATURAL
16x32 in - 40x80 cm

SOAO10C - Pool Coping with full round edge / HAO210 BIANCO
16x32 in - 40x80 cm

SOAO05C - Pool Coping with full round edge / HAO205 GRAY
16x32 in - 40x80 cm

SOAO03C - Pool Coping with full round edge / HAO203 NATURAL
16x32 in - 40x80 cm

Thickness

0.79 in

20 mm

Freeze / Thaw Resistant

-6.1%

Chemical / Stain Resistance

Class: A

ASTM C 649

Breaking Strength

≥3400 lbs.

ASTM C 648

Slip Resistance

≥0.60

ASTM F 1677-1 (DCTP)
Special Pieces

S9GO08 • HGO208 NERO
24x24 in    60x60 cm

S9GO01 • HGO201 BEIGE
24x24 in    60x60 cm

S9GO05 • HGO205 GRAY
24x24 in    60x60 cm

Digital HD
Porcelain Tiles

PACKAGING

SHADE VARIATION

Due to the variations in color and having the back support once the product is installed, the products may show some color variations.

20mm

Thickens

Freeze/Thaw Resistance

Water Absorption

Chemical/Impact Resistance

RECOMMENDED USE

126
due 2

Class: A

ASTM C 1378

Class: A

ASTM C 646

≥0.60

ANSI 137.1 (DCOF)

≥3400 lbs.

ASTM C 648

20 x 21
**FREEZE / THAW RESISTANT**
- ASTM C 1026
- Water absorption ~0.1%

**CHEMICAL / STAIN RESISTANCE**
- Class: A

**THICKNESS**
- 0.79 in (20 mm)

**RECOMMENDED USE**
- Slip Resistance ≥0.60 (ANSI 137.1 (DCOF))

**BREAKING STRENGTH**
- ≥3400 lbs. (ASTM C 648)

**SLIP RESISTANCE**
- ≥0.60 (ANSI 137.1 (DCOF))

**PACKAGING**
- Pcs. 78
- Sq.Ft. 268.71
- Lbs. 2500.00

**SHADE VARIATION**
- LOW
- MODERATE
- HIGH RANDOM

**SOLS01**
- HLS201 BEIGE
- 16x32 in (40x80 cm)

**SOLS09**
- HLS209 NOCE
- 16x32 in (40x80 cm)

**SOLS05**
- HLS205 GRAY
- 16x32 in (40x80 cm)

**Special Pieces**
- SOLS05G - Step / HLS201 BEIGE
- 16x32 in (40x80 cm)

- SOLS05G - Step / HLS209 NOCE
- 16x32 in (40x80 cm)

- SOLS05G - Step / HLS205 GRAY
- 16x32 in (40x80 cm)

- SOLS05C - Pool Coping with full round edge / HLS201 BEIGE
- 16x32 in (40x80 cm)

- SOLS05C - Pool Coping with full round edge / HLS209 NOCE
- 16x32 in (40x80 cm)

- SOLS05C - Pool Coping with full round edge / HLS205 GRAY
- 16x32 in (40x80 cm)
TRAVSTONE

PACKAGING 24x24 in

<table>
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<tr>
<th>Pcs.</th>
<th>Sq.Ft.</th>
<th>Lbs.</th>
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<td>66</td>
<td>255.75</td>
<td>2380.00</td>
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</table>

SHADE VARIATION

- LOW
- MODERATE
- HIGH
- RANDOM

24x24 in  60x60 cm

TRAVSTONE - Digital HD Porcelain Tiles

S9TS01 - HTS201 BEIGE
24x24 in  60x60 cm

FREEZE / THAW RESISTANT
ASTM C 1026

WATER ABSORPTION
~0.1%
ASTM C 373

CHEMICAL / STAIN RESISTANCE
Class: A
ASTM C 650

THICKNESS
0.79 in 20 mm

RECOMMENDED USE
- SLIP RESISTANCE
≥0.60
ANSI 137.1 (DCOF)

BREAKING STRENGTH
≥3400 lbs.
ASTM C 648

Batch 100

Special Pieces

S8TS01G - Step / HTS201 BEIGE
12x24 in  30x60 cm

S8TS01C - Pool Coping with full round edge / HTS201 BEIGE
12x24 in  30x60 cm

S8TS09G - Step / HTS209 NOCE
12x24 in  30x60 cm

S8TS09C - Pool Coping with full round edge / HTS209 NOCE
12x24 in  30x60 cm

TRA2
**Thickn**ess 20 mm

**Freeze / Thaw** Resistant

**Water Absorption** ~0.1%

**Chemical / Stain Resistance**

- **ASTM C 1378**
  - Class: A

**Recommended Use**

- **Slip Resistance** ≥0.60
  - ANSI 137.1 (DCOF)

**Breaking Strength** ≥3400 lbs.

- **ASTM C 648**

### Packaging

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<td>24x24 in</td>
<td>66</td>
<td>255.75</td>
<td>2380.00</td>
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### Shade Variation

- Special Pieces
  - S9WS05 - HWS210 BIANCO
    - 24x24 in: 60x60 cm
  - S9WS01 - HWS201 BEIGE
    - 24x24 in: 60x60 cm
  - S9WS05 - HWS205 GRAY
    - 24x24 in: 60x60 cm

### Special Pieces

- S8WS05G - Step / HWS210 BIANCO
  - 12x24 in: 30x60 cm
- S8WS05G - Step / HWS201 BEIGE
  - 12x24 in: 30x60 cm
- S8WS05G - Step / HWS205 GRAY
  - 12x24 in: 30x60 cm

- S8WS05C - Pool Coping with full round edge / HWS210 BIANCO
  - 12x24 in: 30x60 cm
- S8WS05C - Pool Coping with full round edge / HWS201 BEIGE
  - 12x24 in: 30x60 cm
- S8WS05C - Pool Coping with full round edge / HWS205 GRAY
  - 12x24 in: 30x60 cm
- S8WS01G - Step / HWS201 BEIGE
  - 12x24 in: 30x60 cm
- S8WS01G - Step / HWS210 BIANCO
  - 12x24 in: 30x60 cm
- S8WS01C - Pool Coping with full round edge / HWS201 BEIGE
  - 12x24 in: 30x60 cm
- S8WS01C - Pool Coping with full round edge / HWS210 BIANCO
  - 12x24 in: 30x60 cm
**DOLOMITI**

**Special Pieces**

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<thead>
<tr>
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<th>Description</th>
<th>Dimensions</th>
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<td>Step / HDL201 16x48 in 40x120 cm</td>
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</tr>
<tr>
<td>SDDL05G</td>
<td>Step / HDL205 16x48 in 40x120 cm</td>
<td></td>
</tr>
<tr>
<td>SDDL09G</td>
<td>Step / HDL209 16x48 in 40x120 cm</td>
<td></td>
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<tr>
<td>SDDL03G</td>
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<tr>
<td>SDDL01C</td>
<td>Pool Coping with full round edge / HDL201 16x48 in 40x120 cm</td>
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<tr>
<td>SDDL05C</td>
<td>Pool Coping with full round edge / HDL205 16x48 in 40x120 cm</td>
<td></td>
</tr>
<tr>
<td>SDDL09C</td>
<td>Pool Coping with full round edge / HDL209 16x48 in 40x120 cm</td>
<td></td>
</tr>
<tr>
<td>SDDL03C</td>
<td>Pool Coping with full round edge / HDL203 16x48 in 40x120 cm</td>
<td></td>
</tr>
</tbody>
</table>

**LOW**

**SHADE VARIATION**

- LOW
- MODERATE
- HIGH
- RANDOM

**FREEZE / THAW RESISTANT**

ISO 10545.12

**WATER ABSORPTION**

~0.1%

ISO 10545.3

**CHEMICAL / STAIN RESISTANCE**

5

UNI EN ISO 10545.13

**THICKNESS**

0.79 in 20 mm

**RECOMMENDED USE**

 ≥0.60

ANSI 137.1 (DCOF)

**REAKING STRENGTH**

~50 N/mm²

EN 14411 B1a

**SLIP RESISTANCE**

≥0.60

ANSI 137.1 (DOPE)

**PACKAGE**

- **16x48 in**
  - Pieces: 1
  - Sq.Ft.: 5.10
  - Lbs.: 47.49
  - Boxes: 54
  - Pallet: 279.00
  - Sq.Ft.: 2608.00

**MADE IN ITALY**

Outdoor: SDDL01 - HDL 201

MADE IN ITALY
Cleaning and maintenance

due2 can be cleaned with almost any detergent as it is extremely dense and weather resistant.

However, we recommend simply using a mild detergent and a water jet. For greater convenience and to avoid formation of limescale deposits, we recommend facilitating drainage with a rubber brush.