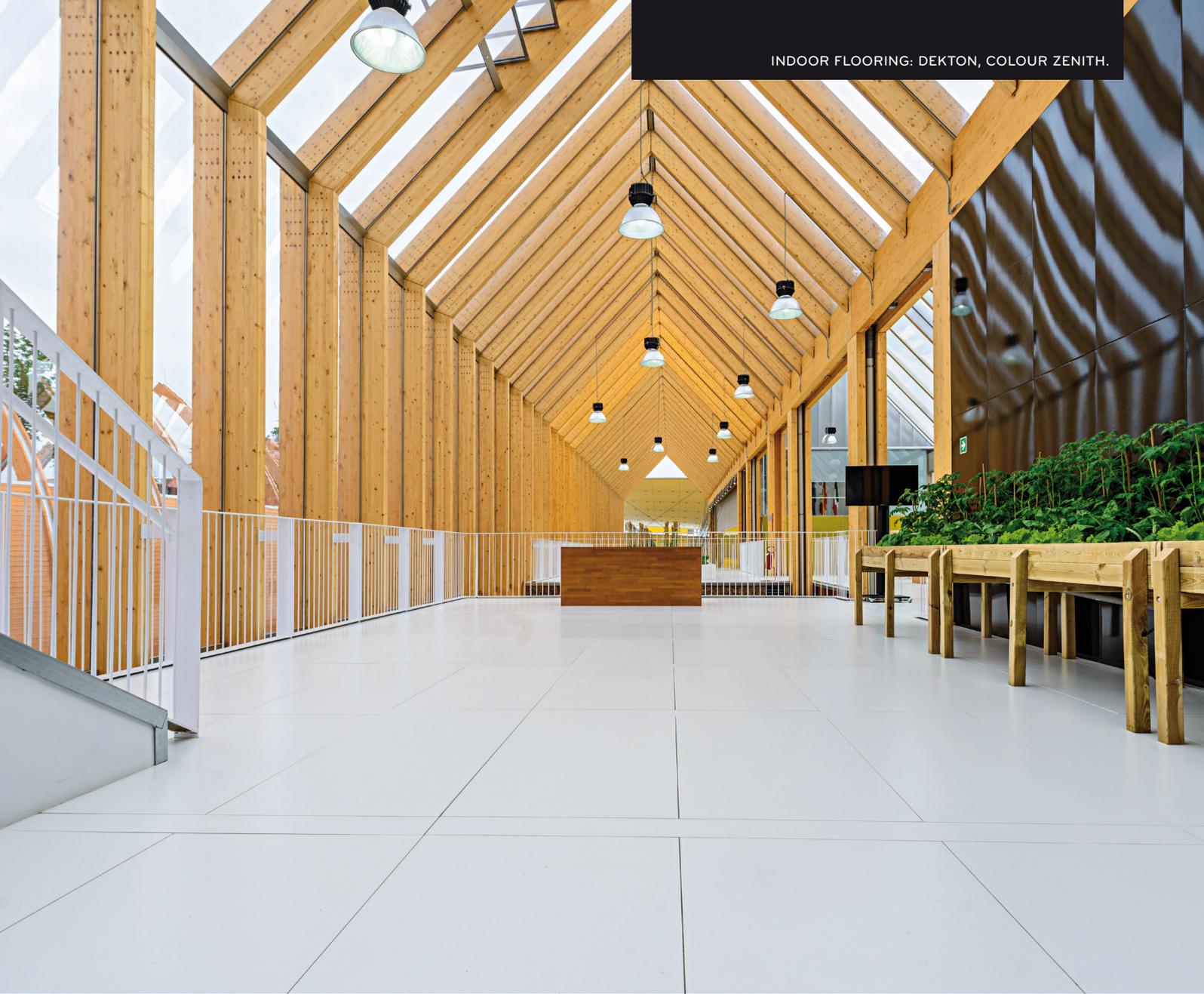


INDOOR FLOORING: DEKTON, COLOUR ZENITH.



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# DEKTON® & SILESTONE® CASE STUDY

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SPAIN PAVILION  
EXPO MILANO 2015



ULTRACOMPACT SURFACES



THE ORIGINAL QUARTZ

FLOORING: DEKTON COLOUR ZENITH. DEKTON PERSONALIZED WITH INKJET PRINTING.



## SPAIN PAVILION EXPO MILANO 2015

ALMOST 1,000m<sup>2</sup> OF DEKTON® ULTRA COMPACT SURFACE APPLIED TO FLOORING, STAIRS AND WORKTOPS, AS WELL AS BATHROOM BASINS MANUFACTURED USING SILESTONE'S® ECO LINE SERIES.

RECREATION OF THE TOMATO GENOME. DEKTON® SLABS PERSONALISED USING INKJET PRINTING TECHNOLOGY AND APPLIED AS FLOORING.



Dekton® uses and applications:

Interior and exterior flooring: 860m<sup>2</sup> – up to six different large format measurements.

Stairs: 12,40m<sup>2</sup>

Worktops: Three units – 31,40lm (linear metre)

Jardinières: 30m<sup>2</sup>

Silestone®, in its green version Eco Line, uses and applications:

Bathrooms basins: Basin model Armony

Three units manufactured using tailor-made large format slabs.

FLOORING: DEKTON COLOUR ZENITH.  
DEKTON PERSONALIZED WITH INKJET PRINTING.



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## DEKTON® & SILESTONE® CASE STUDY

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### SPAIN PAVILION EXPO MILANO 2015

#### PROJECT DETAILS

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**Name** Spain Pavilion. Expo Milano 2015

**Address / Location** Milan, Italy

**Dates of the exhibition** 1.5.2015 to 31.10.2015

**Spain Pavilion total dimensions** more than 3,000m<sup>2</sup>

**Architecture Studio** Estudio b720

Fermin Vázquez Arquitectos

#### COSENTINO MATERIALS

**Application** Interior and exterior flooring

**Material** Dekton® by Cosentino

**Colour** Zenith

**Thickness** 20 mm

**Quantity** 760 m<sup>2</sup>

**Formats** Up to six different sizes

200 x 14 cm / 134 x 66 cm / 136 x 66 cm /

121 x 70 cm / 136 x 706 cm / 210 x 70cm.

**Application** Interior and exterior flooring

**Material** Dekton® by Cosentino

**Colour** Domoos

**Thickness** 20 mm

**Quantity** 100 m<sup>2</sup>

**Formats** Up to six different sizes

200 x 14 cm / 134 x 664 cm / 136 x 66 cm /

121 x 701 cm / 136 x 70 cm / 210 x 70cm.

**Application** Stairs

**Material** Dekton® by Cosentino

**Colour** Zenith

**Thickness** 20 mm

**Quantity** 12.40 m<sup>2</sup>

**Formats** Cut to size formats

**Application** Exterior applications. Vegetable garden

**Material** Dekton® by Cosentino

**Colour** Zenith

**Thickness** 20 mm

**Quantity** 30 m<sup>2</sup>

**Format** Cut to size formats

**Application** Worktops. Auditorium Bar / Tapas Bar / VIP area

**Material** Dekton® by Cosentino

**Colour** Zenith

**Thickness** 20 mm

**Quantity** 3 m<sup>2</sup>

**Formats** 16 m of worktop tapas bar (wide = 0.60 m),

10 m of worktop auditorium bar (wide = 0.80 m) and

5.40 m of worktop VIP area bar (wide = 0.30 m).

**Application** Bathroom

**Material** Silestone® washbasins Armony

model. Eco Line series

**Colour** Riverbed

**Quantity** 3

**Formats** 90 x 47cm and 120 x 47 cm

**Photography** Jaime Gómez Lindo & Acción Cultural Española

FLOORING: DEKTON COLOUR ZENITH. DEKTON PERSONALIZED WITH INKJET PRINTING.  
WORKTOP: DEKTON, COLOUR ZENITH.





### DEKTON® ADVANTAGES IN KITCHEN AND BAR WORKTOPS:

The exceptional technical characteristics of Dekton® make it an ideal material for kitchen and bar worktops both in private homes and for professional use. Dekton® is an incombustible product with excellent heat resistance, allowing direct contact with hot objects.



OUTDOOR FLOORING: DEKTON COLOUR ZENITH.  
DEKTON PERSONALIZED WITH INKJET PRINTING.

## DEKTON® ADVANTAGES IN GARDENS



The very low porosity of Dekton® and its high hydrolysis resistance, allow the application of the material in very exposed outdoor spaces like the vegetable garden.



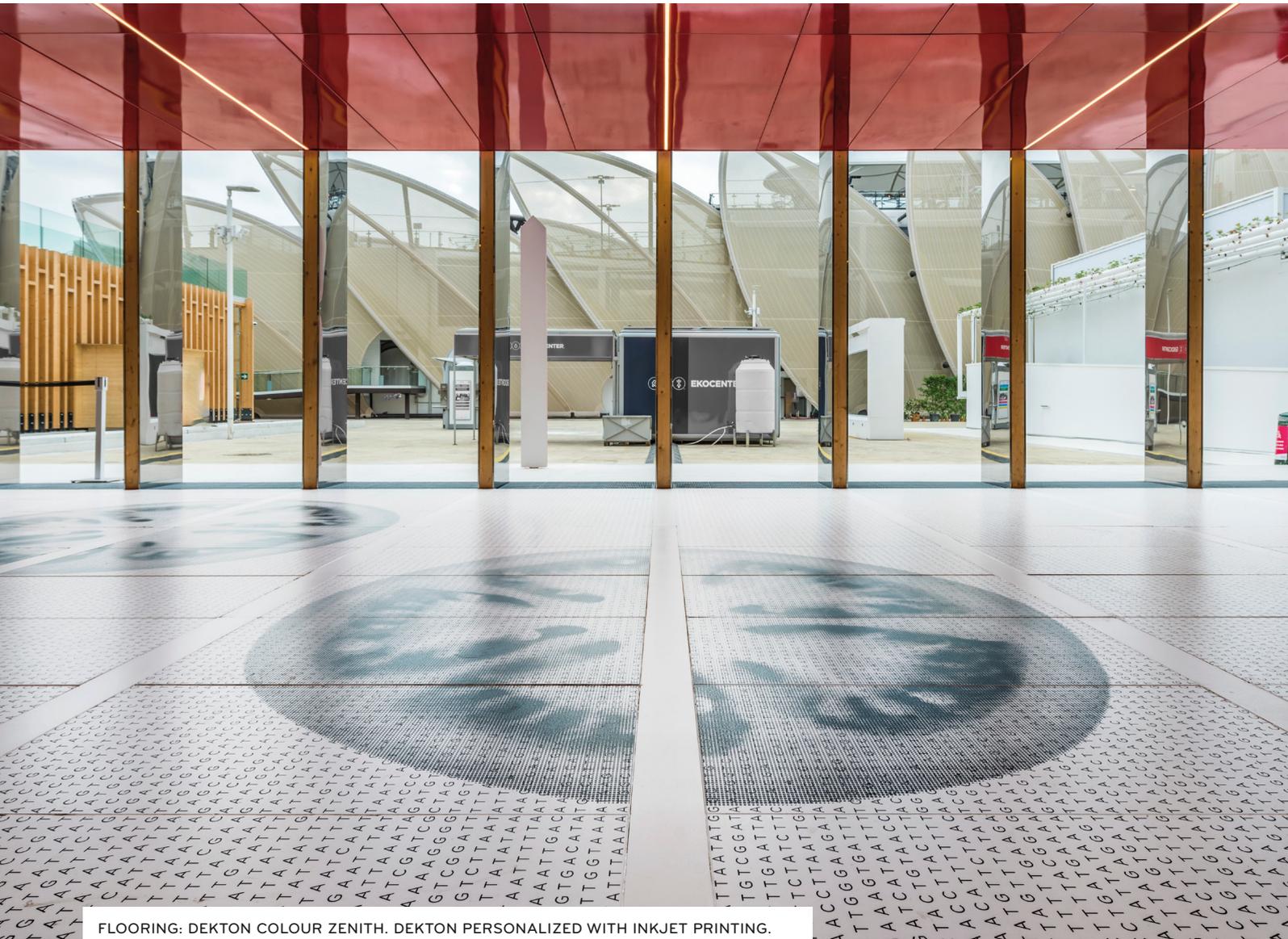
# EL ALTILLO RESTAURANTE



Almost 1,000m<sup>2</sup> of the innovative ultracompact surface, Dekton® has been placed in the Spain Pavilion of Expo Milano 2015. The material has been applied on the floors of the public space, the exhibition area, multi-purpose room, vegetable garden, and in the workshops and restoration areas. It is also used on the counter of the tapas bar, the auditorium bar and VIP bar area, as well as the staircase, which provides access to the restaurant on the second floor. In addition to this, Cosentino has contributed three basins manufactured with the quartz surface, Silestone® to the Spain Pavilion.

The Spain Pavilion designed by b720 Fermin Vázquez studio, wishes to be a benchmark for excellence in current Spanish architecture. With a surface area of over 3,000 m<sup>2</sup>, the building is inspired by a twin unit greenhouse, with a portico shape structure. Its geometry is clear and contained, a merger of the two basic elements to be projected: tradition and innovation. This contrast is also shown in the main spaces of the building: the auditorium or multi-purpose room, the exhibition area, vegetable garden, a restaurant, two bars, the store and workshops.

## THE MOST INTERESTING ARCHITECTURAL AND DECORATIVE FEATURE OF THE PROJECT



FLOORING: DEKTON COLOUR ZENITH. DEKTON PERSONALIZED WITH INKJET PRINTING.

### "TOMATO GENOME": PERSONALISATION OF DEKTON® DESIGN MAKES ARCHITECTS' AND DESIGNERS' IDEAS A REALITY:

One of the most attractive and innovative interior design proposals to be found in the Pavilion will be the recreation of the tomato genome using Dekton® surfaces, printed using inkjet technology. The slabs of Dekton® are used to form the flooring of the exhibition and public space on the ground floor.

Within the context of the "The language of flavour" slogan, Fermín Vázquez architects studio came up with the idea of recreating the

tomato genome - one of the most important recent steps taken in the field of biotechnology and scientific research. The tomato genome was sequenced for the first time in 2012, and this was a major step forward in improving the variety of crops and for the future of agriculture.

The b720 studio was strongly committed to Dekton® as the best partner in order to achieve this stunning design; the Dekton® tables in 2cm Zenith colour were personalised using an inkjet printer with the DNA sequence marked in letters and the shape of a tomato drawn on a scale of grey colours.

This is possible because Dekton® allows a very high level of customisation in design,

and is therefore the perfect surface for designers and architects all over the world. The personalisation has two variations, which can be applied separately or together: using milling technology and inkjet printing technology. In this specific case, the latter solution has been used for the Spain Pavilion.

Inkjet technology can be used to print the Dekton® slabs with the design which the client or professional wishes to use, so achieving amazing results. The material's excellent technical performance is maintained over the entire surface, including the areas where the customisation has been applied.

STAIRS AND INDOOR FLOORING: DEKTON, COLOUR ZENITH.



### SILESTONE® ADVANTAGE IN BATHROOMS:

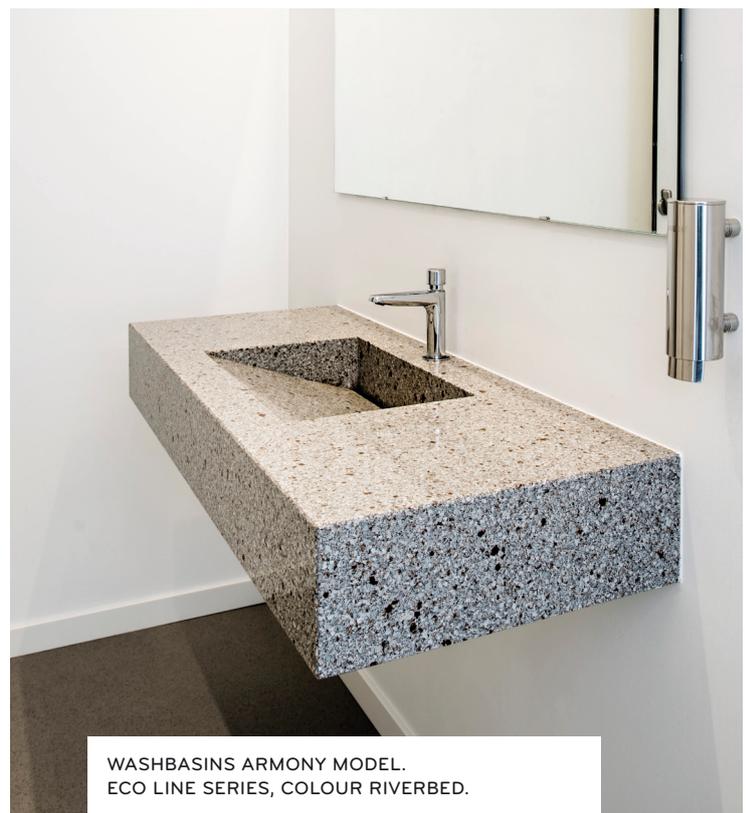
Silestone®'s natural beauty and physical-mechanical characteristics, including high resistance to stains, scratches and impact make it the ideal material to be used in bathrooms. The Silestone® bath collection reinvents the bathroom space thanks to the custom-made large format concept, giving the room more integration and continuity of its elements. The large size of the pieces means that only a few number of joints are required, providing more visual continuity and increased hygiene standards.

### SILESTONE® ECO LINE, ALSO PRESENT IN THE SPAIN PAVILION:

Cosentino's contribution is completed with three Armony wash basins made out of Silestone® for bathrooms. The wash basins with measurements of 90x47 and 120x47 use the Riverbed tone belonging to Eco Line, the Silestone® ecological alternative. This collection is manufactured using at least 50% of recycled materials such as glass, crystal or porcelain.

### DEKTON® ADVANTAGES FOR INTERIOR AND EXTERIOR FLOORING AND STAIRS:

The large size of the Dekton® surfaces create an image of high quality in the areas paved with this material. From a functional point of view of its properties, its hardness and high resistance to abrasion, and the fact that it is hardwearing in areas of continuous foot traffic, make it a perfect product for spaces that are used intensively. In addition, its easy daily maintenance is a huge plus to highlight for buildings with high levels of activity. Another great advantage that Dekton® offers is the fact that pieces can be custom-made into large format surfaces (Dekton® slab size 3200x1440mm), with a minimal joint of 2mm.



WASHBASINS ARMONY MODEL.  
ECO LINE SERIES, COLOUR RIVERBED.

RECREATION OF THE TOMATO GENOME.  
DEKTON® SLABS PERSONALISED  
USING INKJET PRINTING TECHNOLOGY  
AND APPLIED AS FLOORING.



INDOOR FLOORING: DEKTON, COLOUR ZENITH.



# EXPO MILANO 2015 & COSENTINO GROUP



INDOOR FLOORING: DEKTON, COLOUR ZENITH.

After the 2010 Expo being held in Shanghai, 2015 is Milan's turn. From 1 May to 31 October, Milan will host one of this year's most important events. 144 countries are taking part this year, and over 20 million people are expected to visit the Universal Expo. It is estimated that the Spanish Pavilion will receive around 2.2 million visitors in total, about 12,000 visitors a day.

With the official slogan of "Feeding the planet, Energy for life", the 2015 Expo Milano wants to be remembered not only for its architecture and activities, but also because of its input towards debate and education regarding nutrition, food and global resources. The Spanish proposal is based around the slogan "The language of flavour", which will be projected around two basic concepts: Tradition and Innovation.

The Cosentino Group currently distributes its products in over 80 countries, with its own assets in 26 of these countries. Cosentino is committed to this global event and shares the core values and thematic focal points of the Expo and also of Spain's proposal: Food, cuisine, efficiency in resources, design and technological innovation are also basic signatures of the Almeria-based company's activity.

# DEKTON® AND SILESTONE®, MATERIALS WITH CERTIFIED QUALITY:



ETE / ETA: Evaluación Técnica Europea / European Technical Assessment: Dekton® has obtained the European Technical Assessment (ETA) 14/0413 document and CE marking as an external wall cladding for ventilated façades. Validated by the national bodies of the 28 European Community countries, this evaluation and seal endorse the application of the ultracompact surface Dekton® onto façades by means of three different types of concealed stainless steel or aluminium fixings.



Greenguard: Dekton® and Silestone® have been analysed by the Greenguard programme, certifying that neither of them emits any VOC (Volatile Organic Compounds). Dekton® and Silestone® have achieved the Gold Greenguard and Greenguard certification.



NSF: Dekton® and Silestone® have been tested and evaluated by NSF under NSF/ANSI 51, which is a toxicological evaluation of all product ingredients, conducting proficiency testing and successfully passing impromptu audits annually in all manufacturing sites.



LGA: certification granted by the German consulting firm LGA QualiTest GmbH, which recognises the highest levels of hygiene in products.



Cradle to Cradle: Silestone® Eco Line has obtained "Cradle to Cradle" certification, a measurable system which promotes total recycling and sustainability, key architecture and construction trends.



LEED: Dekton® and Silestone® Eco Line add points to the LEED rating system, developed by the Green Building Council to standardise ecologic constructions.



EPD: Environmental Product Declaration granted by "The International EPD Consortium" to Silestone® Eco Line. Cosentino was analysed under strict evaluations for the Silestone® Eco Line production in its factories and all its indirect and associated processes. They include more than 1500 productive processes and 200 raw materials.



ISO 14001:2004: This recognition certifies and strengthens the excellence of the Cosentino Quality and Environmental Management System.



ISO 9001:2000: This certification endorses Cosentino's commitment to the continuous improvement of the quality of the services and products offered to customers worldwide.







imagine & anticipate



ULTRACOMPACT SURFACES



THE ORIGINAL QUARTZ

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GrupoCosentino DektonbyCosentino silestonetheoriginal



\* To activate the warranty service and to check terms and conditions please go to [www.dekton.com](http://www.dekton.com)

\*\* To obtain more information about colours with NSF certificate please visit [www.nsf.org](http://www.nsf.org)