

Quality Standards for Dekton® slabs

DEKTON® SLABS
QUALITY STANDARD



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Introduction

Objective

The Dekton® quality standard aims to establish the basis for the quality of the product, paying attention to both the format and the visual appearance and composition, and reflecting the technical specifications of the product.

Dekton® slabs are inspected one by one at the exit of the sorting line, in order to detect any deviation from the quality standards reflected in this document.

Deviations will be marked on the slabs and the affected surface area will be deducted from the total useful surface area of the slab. The final batch label of each board shall include the usable area.

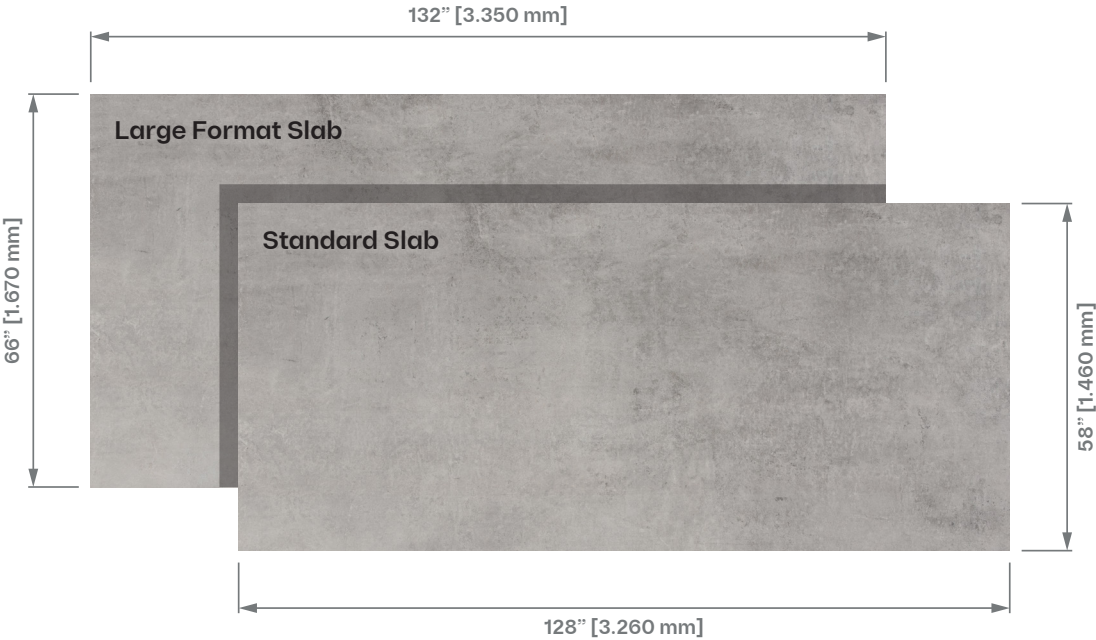
¿What is Dekton®?

Dekton® is an ultra-compact surface composed of more than 20 minerals of natural origin. The reduced porosity of the material, a consequence of the sintering and ultracompacting process exclusive to Dekton®, and the absence of micro-defects that cause tensions or weak points, constitute the distinguishing feature of Dekton®.

Its properties include high resistance to ultraviolet rays, high resistance to scratches and stains, resistance to high temperatures and frost, as well as resistance to abrasion.

Formats

Dekton has two board sizes: Standard and Large Format, as well as a series of customisable and configurable formats for projects. For this reason, it is necessary to consult the starting dimensions when making a design on our material.



→ Image 1: Dekton® Formats slabs.

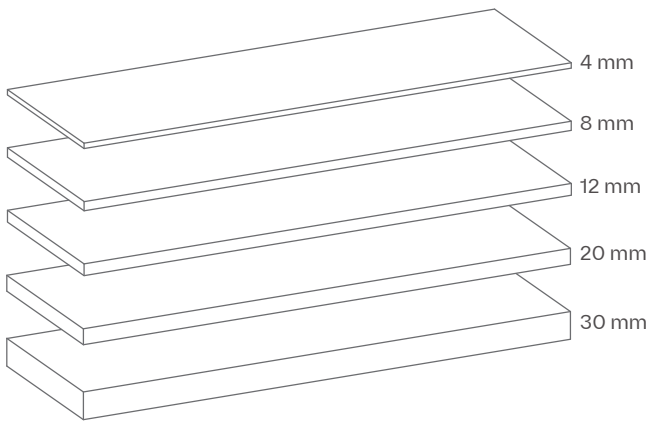
(*) Consult current portfolios or the nearest Cosentino® contact person.

Thicknesses

Dekton is manufactured in several different thicknesses: 4mm, 8mm, 12 mm, 20 mm and 30 mm. The applications are multiple depending on the thickness we work with, being able to be used as horizontal and vertical cladding, countertops, façade, etc...

In addition, it will have a tolerance of ± 0.5 mm with respect to its nominal thickness in all thicknesses.

The models with textured surface may present extreme values, although the average complies with the tolerance.



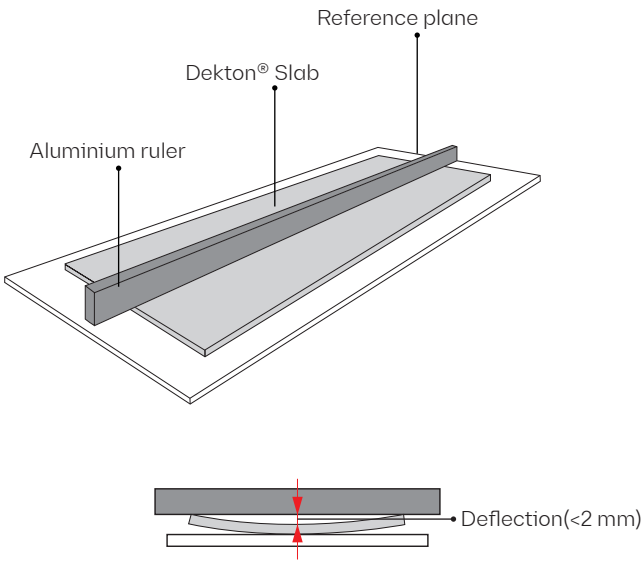
→ Image 2: Dekton® thicknesses.

Flatness

Dekton® slabs must comply, in all formats, with the following flatness throughout the slab:

→ Transversal < 2 mm.

→ Longitudinal < 2 mm.



→ Image 3: Slab flatness.

Tonality analysis

The colour/shade of the Dekton slabs is analysed at the end of the production process in the Sorting Line.

Within the same shade, slabs with a slight difference in tone can be found. This variation is admitted and attributable to slight differences in the raw materials used in the production of Dekton. These shade fluctuations will always exist, just as with natural stones such as granite and marble.

The shade is identified on the label with a numerical code.

Dekton patterns have been created and designed for large format (complete table). For this reason, it is possible that in smaller formats, used for flooring, facades, cladding, etc., there may be differences in colour or certain contrasts between pieces.

It is very important to pay attention to the design and to carry out a layout of the pieces prior to the processing and installation of the material.

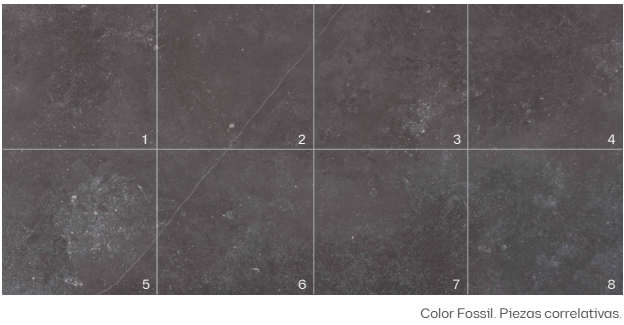
In Dekton, there are three types of patterns:

→ **Infinite:** Solid structure in which no changes in tone are observed in the same slab.

→ **Smooth:** Slight changes of tone in the structure and design of the slab.

→ **Singular:** Significant changes of structure or tone in the board. Mainly in colours with veined, irregular or industrial structure.

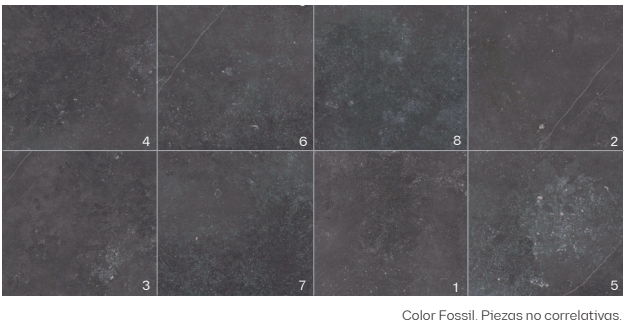
For more detailed information by colour, please consult the document “*Dekton Color List*” available at www.cosentino.com.



Color Fossil. Piezas correlativas.



Color Morpheus. Piezas correlativas.



Color Fossil. Piezas no correlativas.



Color Morpheus. Piezas no correlativas.

→ Image 4: Example of a table with Smooth pattern.

→ Imagen 5: Example of a table with Singular pattern.

Slabs identification

Each Dekton® slab has an identification label attached to it.
It contains the following information:

- Colour name.
- Press batch.
- Dimensions.
- Barcode.
- Batch of finished board.
- Date and time.
- Finish - Tone.
- Identification kC.



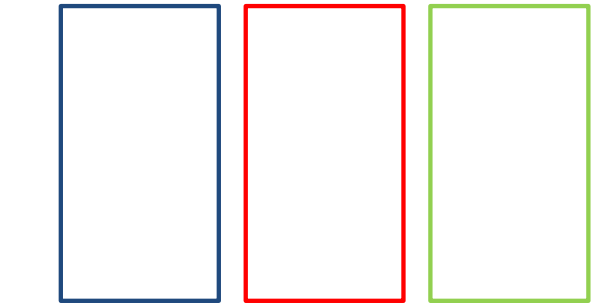
→ Image 6: Example of an identification label.

Special labelling


The DEKTON logo will be printed on the board after resin-coating and meshing. It will include the marking “*Made in Spain*” juny QR in the central printing band.

The logos will be printed on 3 equidistant bands allowing the identification of the material when cutting pieces from 60x60cm.

The design is configurable, next to the “*Made in Spain*” box it is indicated if the material is Grip, Grip+ or if it is for a specific customer.



→ Image 7: Colours for special labelling..



→ For work where more than one board is used, ALWAYS check that the pitch is the same on all boards before any staking out or cutting.

→ The pitch, indicated by a three-digit number, can be found on the label shown above. It is also recommended that, as far as possible, the production date (including the time) be checked, as the more consecutive the boards are, the more we can ensure that there is no difference in shade.

→ It is advisable to make a second visual check of the pieces, once they have been cut, to make doubly sure.

Logo on the back side of the slab

The DEKTON logo will be printed on the board after resin-coating and meshing. It will include the marking “*Made in Spain*” and a QR in the central printing band.

The logos will be printed on 3 equidistant strips allowing the identification of the material when cutting pieces from 60x60cm.

The design is configurable, next to the “*Made in Spain*” box it is indicated if the material is Grip, Grip+ or if it is for a specific customer.



→ Image 8: Logo image on the back side for matt/polished/velvet material.



→ Image 9: Configurable logos on the back.

Surface Quality

Edge quality

The Dekton® quality standard aims to establish the basis for the quality of the product, taking into account the format as well as the visual appearance and composition, and reflecting the technical specifications of the product.

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Quality on the back side

Due to a problem with the positioning of the slab, marks on the back side of the slabs rarely occur. They are usually caused by the rollers or the belts themselves where they move. These flaws are less than 1mm deep and do not affect the mechanical properties of the material.

Surface tolerances

Dekton is composed of more than 20 minerals extracted from nature, making the material mostly of natural origin.

This implies certain considerations and tolerances with regard to design and composition that must be taken into account.

Dekton has an extensive colour portfolio with solid, veined, natural and irregular patterns.

Therefore, surface tolerances are accepted in solid patterns of 1x1mm (length and width) in those raw materials with different colours, imperfections or marks. In veined patterns, this conformity is 1.5x1.5mm (length and width) if it is within the board design itself.

On polished colours, the technology itself may cause surface marks. These marks are usually slight and inappreciable. Those marks derived from the polishing process that are unnoticeable at a distance of more than 70cm in natural light will be considered as conforming.

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(*) Information on colour shades
NSF-certified at www.nsf.org

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