



CLEANING & MAINTENANCE

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# 01/Product

Why choose Ascale? Because our sintered stone offers optimal technical performance for any work surface, matching—or even surpassing—the aesthetic value of any other material.

Our collections adapt perfectly to the needs of all audiences. Our portfolio includes all types of marbles, cements, stones, woods, metals, and basic colors. Our mission is to create spaces that evoke a sense of comfort in every environment.

Ascale’s sintered stone goes beyond the limitations of traditional materials, making it the ideal choice for all types of coverings and surfaces. It offers a versatile, lightweight design in large formats (162 x 324 cm in 12 and 20 mm thicknesses, 160 x 320 cm / 120 x 280 cm in 6 mm thickness, and 100 x 300 cm in 3 mm thickness).

Ascale combines the **aesthetics** of natural stone with the **strength and durability** of sintered stone.



# 02/Finishes



324 cm



162 cm

## Size

162 x 324 cm / 160 x 320 cm / 120 x 280 cm / 100 x 300 cm

## Finish

Polished • Matt • Feel • Velvet | *Vein*-touch & 

## Thickness

3 mm / 6 mm / 12 mm / 20 mm

03/ Advantages

|                                                                                                       |                             |
|-------------------------------------------------------------------------------------------------------|-----------------------------|
|                       | DIMENSIONAL STABILITY       |
| <br>N/mm <sup>2</sup> | FLEXURAL STRENGTH           |
|                       | WATERPROOF                  |
|                      | THERMAL RESISTANCE          |
| <br>mm <sup>3</sup>   | DEEP ABRASION RESISTANCE    |
|                     | FROST RESISTANCE            |
|                    | SURFACE ABRASION RESISTANCE |
|                    | CRACK RESISTANCE            |
|                    | CHEMICAL RESISTANCE         |
| <br>MOHS           | SCRATCH RESISTANCE          |
|                    | STAIN RESISTANCE            |
|                    | NON-COMBUSTIBLE             |

| GRUPO BIa (GL) / GROUP BIa (GL)                                                                         |                                  |                                       |                                                                         |
|---------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------|-------------------------------------------------------------------------|
| PROPIEDADES FÍSICO -QUÍMICAS<br>PHYSICAL-CHEMICAL PROPERTIES                                            | NORMA DE ENSAYO<br>STANDARD TEST | VALOR REQUERIDO<br>REQUIRED VALUE     | VALOR MEDIO<br>AVERAGE VALUE                                            |
| Espesor<br>Thickness                                                                                    | ISO 10545-3                      | Cumple/Complies                       | Cumple/Complies                                                         |
| Absorción de agua<br>Water absorbtion                                                                   | ISO 10545-3                      | ≤ 0,5%                                | ≤ 0,1%                                                                  |
| Fuerza de rotura<br>Breaking strenght                                                                   | ISO 10545-4                      | ≥ 700 N e<7,5 mm<br>≥ 1300 N e≥7,5 mm | ≥ 1000 N e=6mm<br>≥ 3000 N e=8mm<br>≥ 5000 N e=12mm<br>≥ 11000 N e=20mm |
| Resistencia a la flexión<br>Modulus of rupture                                                          | ISO 10545-4                      | R ≥ 35 N/mm2                          | ≥ 50 N/mm2                                                              |
| Resistencia al impacto<br>Impact resistance                                                             | ISO 10545-5                      | Valor declarado<br>Declared value     | >0,8 sin defectos<br>visibles / no visible<br>defects                   |
| Resistencia a la abrasión superficial<br>Resistance to surface abrasion                                 | ISO 10545-7                      | Valor declarado<br>Declared value     | Valor declarado<br>Declared value                                       |
| Dilatación térmica lineal<br>Linear thermal expansion                                                   | ISO 10545-8                      | Valor declarado<br>Declared value     | 5,7.10-6°C                                                              |
| Resistencia al choque térmico<br>Thermal shock resistance                                               | ISO 10545-9                      | Resistente<br>Resistant               | Resistente<br>Resistant                                                 |
| Expansión por humedad<br>Moisture expansion                                                             | ISO 10545-10                     | Valor declarado<br>Declared value     | <0,1 mm/m                                                               |
| Resistencia al cuarteo<br>Crazing resistance                                                            | ISO 10545-11                     | Resistente<br>Resistant               | Resistente<br>Resistant                                                 |
| Resistente a la helada<br>Frost resistance                                                              | ISO 10545-12                     | Resistente<br>Resistant               | Resistente<br>Resistant                                                 |
| Resistencia química: productos de<br>limpieza<br>Chemical resistance: Cleaning products                 | ISO-10545-13                     | B                                     | A                                                                       |
| Resistencia química: Aditivos piscinas<br>Chemical resistance: Swimming pool salts                      | ISO-10545-13                     | B                                     | A                                                                       |
| Resistencia química: Ácidos de baja<br>concentración<br>Chemical resistance: Low concentration<br>acids | ISO-10545-13                     | Valor declarado<br>Declared value     | LA acabado mate<br>LB acabado pulido                                    |
| Chemical resistance: Low concentration<br>bases                                                         | ISO-10545-13                     | Valor declarado<br>Declared value     | LA acabado mate<br>LB acabado pulido                                    |
| Resistencia a las manchas<br>Resistance to stains                                                       | ISO 10545-14                     | Min.3                                 | Min. 5 acabado mate<br>Min. 4 acabado pulido                            |
| Emisión de plomo y cadmio<br>Determination of lead and cadmium                                          | ISO 10545-15                     | Valor declarado<br>Declared value     | Cadmium < 0,01 mg/l<br>Lead < 0,1 mg/l                                  |
| Resistencia al calor seco<br>Dry heat resistance                                                        | EN 13310                         | Declared value                        | Resistente<br>Resistant                                                 |
| Resistencia UV<br>UV Resistance                                                                         | DIN 51094                        | Declared value                        | Sin cambios<br>No change                                                |

# 04/Sustainability

*Nature inspiring innovation*

Ascale has an environmental management system in place to identify and minimize the impact of its operations on atmospheric emissions, wastewater, waste, and noise pollution.

Our commitment is backed by ISO 14001 certification, which endorses the effectiveness of our environmental management system in compliance with the most demanding international standards, with production processes aimed at preventing and reducing environmental impact at all stages of our activity.

Ascale also holds the Carbon Footprint certificate, which allows us to measure and control our greenhouse gas emissions, representing a major step towards more sustainable and low-carbon production.

By applying continuous improvement criteria, we carry out internal recovery of waste and selective collection of materials such as cardboard, plastic, or wood.

Ascale is committed to optimizing water management, based on the principles of reuse and optimization in different processes. In addition, it constantly promotes the application of energy efficiency criteria in its facilities and activities.



\* Please consult the official list for certified models.





05/  
Cleaning  
and maintenance

For ordinary cleaning, a cloth dampened with water and neutral soap is perfectly adequate.

For more persistent or burned-on stains, we recommend moistening the dirt with hot water (to soften any residues) and then rinsing or removing with a clean cloth. It is also preferable to use a sponge with soft fibres of the type normally used for cleaning glass ceramic and glassware in general.

Particularly abrasive sponges or steel wool must be avoided at all costs.

At Ascale, we advise against treating the slabs with caustic soda. We also recommend to don’t have long application timing both with acid and alkaline products.

If bleach is used, we suggest an application of 10-15 minutes and rinse with plenty of water and never leave the product to remain in contact with the surface of the Ascale surfaces more than the timing specified before.

For the correct maintenance of the slabs, Ascale recommends that you abide by the following precautions:

- Always use pan stands, coasters and napkins
- It is wise not to cut foods directly on the countertop but to use chopping boards for this purpose;
- Never drag household appliances, knives and utensils in general across the countertop, as this may leave steel stains that are difficult to remove;
- Never use ceramic knives directly on the countertop.

PERSISTANT STAINS

Whenever routine cleaning is insufficient, certain specific procedures need to be followed based on the stain to be removed.

The length of time that a stain is left on the surface is important, so we recommend cleaning them as soon as possible.

Tip:

Start cleaning a small part of the area in question to verify effectiveness before proceeding to the entire surface. When using more aggressive products, we recommend rinsing with plenty of water once clean. Below is a list of some of the best substances for removing certain stains.

| Type of Stain      | Product (on Matt - Velvet Finish) | Product (on Polished Finish) |
|--------------------|-----------------------------------|------------------------------|
| Greases            | Neutral / Alkaline                | Neutral / Alkaline           |
| Oil                | Neutral                           | Neutral                      |
| Citrus             | Neutral                           | Neutral                      |
| Fruit Juices       | Neutral                           | Neutral / Alkaline           |
| Soft Drinks        | Neutral                           | Neutral                      |
| Coffee / Tea       | Neutral                           | Neutral / Alkaline           |
| Wine               | Neutral                           | Neutral / Alkaline           |
| Vinegar            | Neutral                           | Neutral / Alkaline           |
| Sauces / Ketchup   | Neutral / Cream or Powder         | Neutral                      |
| Ice Cream          | Neutral                           | Neutral / Alkaline           |
| Candle Wax         | Solvent                           | Solvent                      |
| Limescale Residues | Acid                              | Neutral / Acid               |
| Oxides / Rust      | Neutral / Acid                    | Neutral / Acid               |
| Metallic Scratches | Neutral / Acid                    | Neutral / Acid               |
| Permanent Marker   | Cream or Powder                   | Neutral / Alkaline           |
| Resins             | Solvent                           | Solvent                      |

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## PRECAUTIONS

- Avoid products that contain hydrofluoric acid and its derivatives. (Oven cleaners, for example).
  - Do not use concentrated hydrochloric acid or caustic soda.
  - Avoid extreme heat through contact or radiation from electric grills, cooking surfaces, ovens, fireplaces, barbecues, etc.
  - Ceramic knives may scratch Ascale surfaces with all finishes, in the same way that they scratch other brands in the same product category and other categories.
  - Avoid strong impacts around the edge of a countertop to prevent chipping.
1. To clean surfaces with a Polished finish, it should be remembered that this surface resistance is inferior to other finishes, such as Velvet, so some substances may affect its initial appearance. We recommend avoiding the use of scouring pads, knives and other items that may be rough or abrasive for the surface to be cleaned. Cleaners with granules, for example.
  2. We also recommend avoiding basic products with a pH above 11. When using bleach, we recommend rinsing with plenty of water and never leaving it in permanent contact. We recommend using flannel or microfibre.



After laying the material, it is essential to clean it thoroughly. If grout residues are not removed properly or quickly, they can cause stains that are difficult to eliminate and may create a concrete film that traps all kinds of dirt.

To effectively remove any cement residue, it is essential to wash the floor with a solution of water and buffered acid, following the water/acid ratios indicated on the product packaging.

Allow the detergent to act for a few minutes without letting it dry, then wipe with colorless cloths (remove residues with a hard brush). Finally, rinse with plenty of water and repeat the process if necessary.



## ROUTINE FLOOR CLEANING

Ascale advises against the use of greasy soaps and waxes and instead recommends neutral detergents such as ammonia or bleach, suitably diluted in water. After washing, the floor should only be dried if it has a polished finish (to prevent the appearance of visible stains).

We always recommend testing any detergent before use, always following the instructions and precautions indicated by the manufacturer.

## LIMPIEZA EXTRAORDINARIA DE SUELOS

In the case of residues and stains that are particularly difficult to remove, Ascale recommends first cleaning the surface with warm water and neutral detergents.

For persistent stains, then use more intensive cleaning methods with specific products (depending on the type of stain to be treated):

- Non-abrasive detergents with neutral pH;
- Slightly abrasive detergents;
- Acidic or alkaline detergents;
- Solvent-based detergents.

We always recommend following the instructions and precautions indicated by the manufacturer.

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**Proper maintenance** preserves the lasting  
legacy of resistance and **timeless elegance**  
of every Ascale surface



