

FADE



TECHNICAL GUIDE

COLORATO | CS3[®]
STONE

SYNTHETIC



TECHNICAL GUIDE SYNTHETIC MARBLE

COLORATO
STONE | CS3[®]

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SUMMARY

CS3 Surfaces carries a history of planned and continuous growth. Since 2006, it has been innovating far beyond Natural Stones, the company's flagship product. Facilitating the import of synthetic materials such as quartz from the Colorato Stone Line and bringing cutting-edge technology to the ultracompact surfaces of the Nilam Line. Now present in several countries, it moves trucks across the entire Brazilian road network. Innovation, technology, and quality reach wherever you need. A partner company with a team that works to make your daily life easier.

CS3 Surfaces, where all inspiration comes to life.

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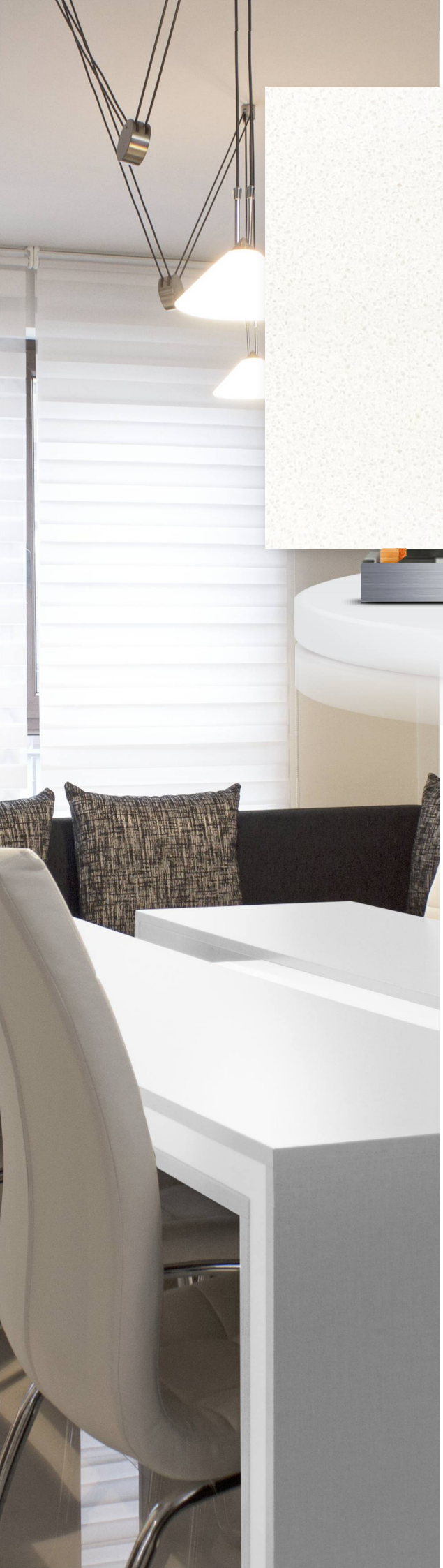
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SYNTHETIC MARBLE

The Colorato Stone Synthetic Marble is composed of natural limestone aggregates, polyester resin, and pigments, using a vacuum vibrocompression process.

This high-performance product is ideal for interior cladding, offering uniformity in color and texture. The synthetic material is fully homogeneous, ensuring 100% utilization.

TECHNICAL SPECIFICATIONS



LOW POROSITY AND WATER ABSORPTION



HYGIENIC SURFACE



AVOID SUN EXPOSURE



NOT RECOMMENDED FOR EXTERIOR AREAS



AVOID DIRECT CONTACT WITH HOT OBJECTS



MATERIAL WITH LOW RESISTANCE TO SCRATCHES



THICKNESS

14 mm



16 mm



18 mm



The synthetic material measures 3200mm x 1600mm, with thicknesses of 14mm, 16mm, and 18mm.

Due to its limestone composition, it is susceptible to acid attack.



COLORATO
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STAIN RESISTANCE

The artificial marbles in the Colorato line, despite their beauty and versatility, require special care due to their carbonatic composition, which can react with acidic substances. Products such as vinegar, lemon juice, or soft drinks can cause permanent stains if not removed immediately. Therefore, it is essential to maintain a daily cleaning routine and avoid prolonged contact with corrosive agents. Immediate care for spills is

crucial to preserve the appearance and durability of these surfaces, ensuring they maintain their elegance and functionality for a longer period.

To learn more about the specific stain resistance of each material, please request the technical datasheet from the CS3 Surfacesteam.



CUTTING



Due to its hardness, similar to the hardest granites, the same diamond tools available on the market for cutting granites can be used to cut Synthetic Quartz.

When working with Synthetic Quartz, it is important to ensure that the cutting equipment is in good working condition. The flatness of the workbench and the alignment of the disc should be checked, and during cutting, ample water should be used for cooling. Misalignment of the disc can cause breakage on the edges and the slab during cutting.

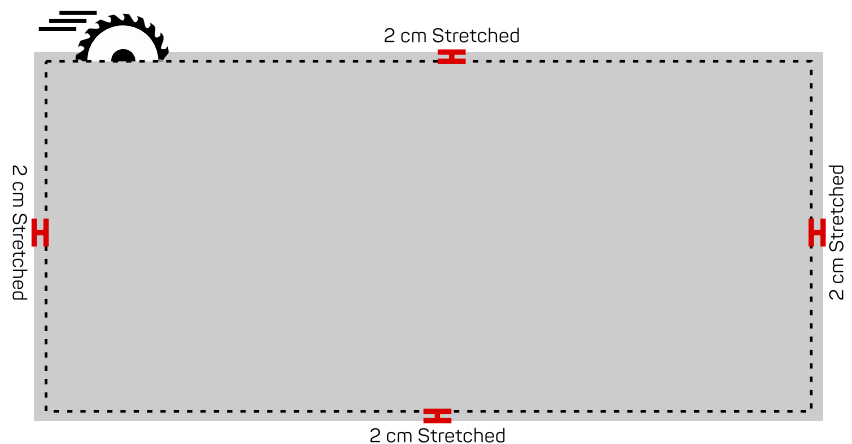
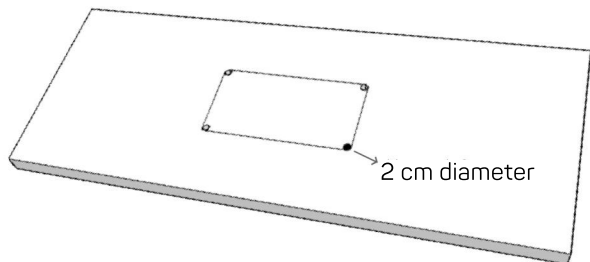
When making cavities, it is advisable to drill a hole with a 2 cm diameter and always leave an angle at the corner of the hole. This significantly helps to avoid issues such as cracks, fissures, and breakage.

To achieve a better finish, it is recommended to use ample water during the cutting process.

FEEDING SPEED

The recommended cutting feed speed should be between 0.8 and 1.2 m/min.

IMPORTANT: It is recommended to make the largest dimensions of the cut along the length of the slab.



FINISHING AND EDGE



For the finishing of the surface and edges of the Synthetic Marble, machines are used to polish the corners of the material with water, and the speed should not exceed 4,000 rpm (revolutions per minute). The best abrasives for workability are diamond polyester abrasives, which are attached to the pad with Velcro. There are different brands of abrasives available on the market, offering various qualities and prices.

Method: The initial process is performed using a manual polisher at 9,000 rpm, and the process is finished with a manual polisher at 4,000 rpm, ensuring the best finish for the surface. Normally, abrasives of different grades

are classified by color. The grade sequence is as follows: 50, 120, 220, 400, 600, 1200, and 3500.

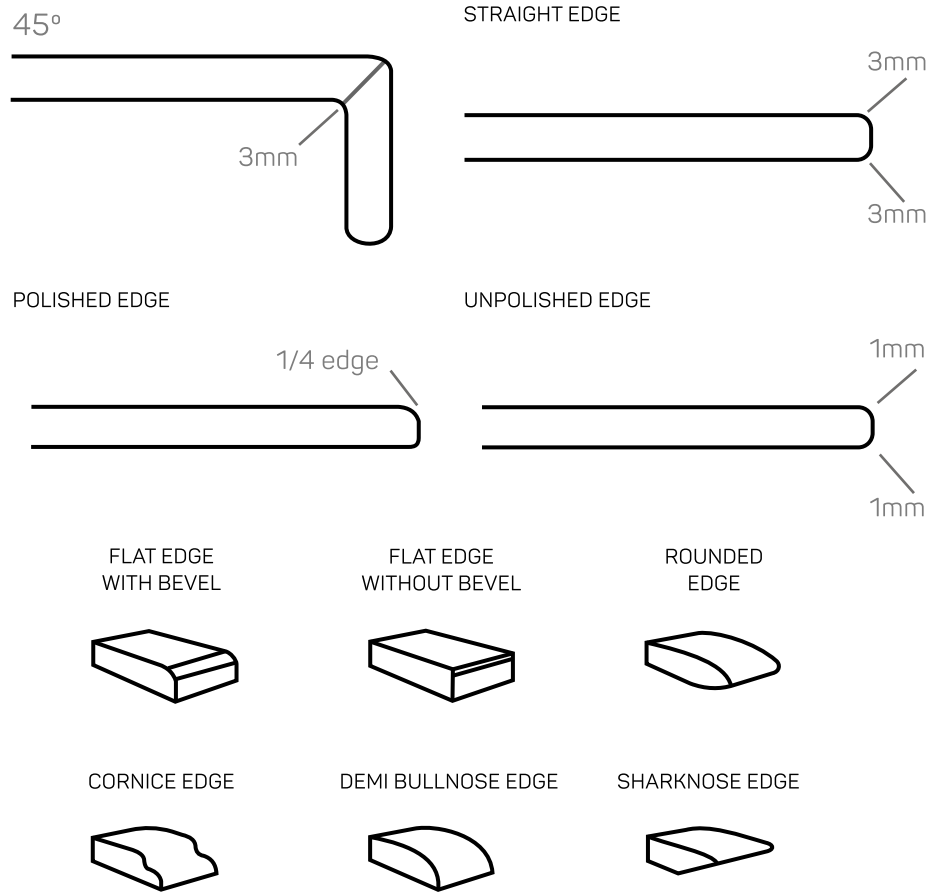
Polishing should be done with smooth and light passes to minimize friction on the material. Excessive pressure can alter the color pattern of the material. Polishing with water improves the final product quality. For light-colored materials, the 3500-grade abrasive may be omitted. After this operation, simply wax the material with a cloth pad.

For light colors, apply white wax. For dark colors, apply black wax.

When using the cloth pad, be very careful not to burn the material. The product should be applied at low speeds.

EDGE FINISHING TYPES

In addition to enhancing the aesthetic of the final product, edge finishes prevent the edges from breaking and protect people from the sharp corners of the stones. The most common types of edge finishes are shown in the illustration on the side.



MINIMUM DISTANCES

The following minimum distances must be observed:

Between one hole and another	50 mm
Between a hole and the edge	150 mm

SETTING MORTAR



Quartzo D

RECOMMENDED
FOR
INTERNAL
USE

Acrylic
Multipurpose



Usage instructions according to the manufacturer.



SPECIAL ADHESIVES



Akemi Platinum
Recommended for bonding
45° joints, to join pieces in
dry areas with wet areas.



PU P40 L or P40
Usage instructions according to the manufacturer.



Tenax Strong Edge



Tenax Titanium

MACHINE REQUIREMENTS



PARTS MUST BE
PREVIOUSLY CLEANED AND DRY.



JOIN THE GROOVE OF THE CORNERS
TO IMPROVE ADHESION.



USAGE CARE - MAINTENANCE AND CLEANING

The use of a slab from the Colorato line, as well as any other material, requires important care from the consumer, starting at installation and continuing during use to ensure a product with an extended lifespan.

- It is important that during storage, the slabs or finished pieces are always protected from the elements (rain, wind, sun, moisture, etc.), stored in dry and clean locations, kept in a vertical position, and protected from common products such as paints, oils, pigments, wood, urine, cigarettes, glazing putty, and other potential stain-causing agents.
- The cutting of materials should always be done wet to prevent the spread of fine dust particles that can cause respiratory diseases.
- During installation, use specific products for bonding and application. Refer to the products recommended in the Colorato Guide.
- After installation, high-quality post-construction cleaning products should be used, preferably those recommended for this type of material, always avoiding the use of abrasive materials such as very hard bristle brushes or steel wool sponges, especially on polished finish surfaces.
- Daily cleaning should also be maintained with the utmost care, using neutral detergents and a cloth dampened with water. Never use abrasive products such as cream-based scouring powders or homemade mixtures.
- In case of contact with potential stain-causing agents such as cooking oil, wine, sauces, or any other pigmented products/foods, cleaning must be performed as quickly as possible. Remove the excess with a cloth or paper and use neutral detergent, water, and a very soft sponge.
- It is also important to avoid contact with abrasive agents or very aggressive chemicals such as acids, scouring soaps, and sharp objects like knives. Always use cutting boards.
- Do not place objects recently removed from heat directly onto the material. Always use pot holders to avoid direct contact.
- Do not place the material in outdoor environments or expose it to lamps emitting UV rays.
- Do not use sealers to enhance shine.
- Do not use caustic soda or products with a pH higher than 10.
- Never leave any solvent in permanent contact with the surface, nor use chlorine-based products.
- Do not use degreasers.
- Do not expose the material directly to hot oil.
- Do not expose the materials from the Colmato line to direct fire, and use supports to prevent contact with hot objects, such as pots.
- It is important to avoid placing excessive weight on countertops or dropping very heavy objects to prevent breakage.

WARRANTY CERTIFICATE



CS3 Surfaces, committed to the quality and durability of its products, grants the direct purchaser a 10-year (ten) Warranty Certificate against manufacturing defects, starting from the date of purchase. This warranty is in addition to the legal warranty provided by the Consumer Protection Code (Law No. 8.078/1990).

For the Warranty Certificate to be valid, the fiscal proof of purchase must be presented to the supplier. The fiscal proof must indicate the date of sale and the product specifications.

1. TERMS AND CONDITIONS

This Warranty Certificate applies exclusively to products marketed by CS3 Surfaces. During the warranty period, CS3 Surfaces undertakes to repair any product(s) presenting manufacturing defects or, if repair is not possible, to replace them with another(s) of equivalent or similar characteristics to the originally purchased product(s). The coverage of this Warranty Certificate is strictly conditioned upon the strict observance of the usage and maintenance instructions contained in the Technical Data Sheets and Technical Guides of each product, available through our official channels.

2. COVERAGE RESTRICTIONS FOR DIRECT BUYERS

This Warranty Certificate is valid only for the direct purchaser from CS3 Surfaces, identified in the invoices issued by the company. Claims for defects made by third parties will not be covered by the warranty. CS3 Surfaces reserves the right to update the Technical Data Sheets and Technical Guides of the product, as well as the Terms and Conditions of this Warranty Certificate, at any time, notifying customers via notifications on our official website or email

registered at the time of purchase. Continuing to use the products after such notification implies acceptance of the new terms.

3. LIMITATION OF LIABILITY

This Warranty Certificate is limited exclusively to the purchased product, not covering repairs for damages to third parties, other goods, or installations. Installation and reinstallation expenses for defective products are the responsibility of the buyer, including any additional repair costs such as plumbing, electrical, or masonry work. The removal of products covered by the warranty will be carried out at the CS3 Surfaces headquarters. This Warranty Certificate does not cover transportation, freight, or insurance costs, which must be arranged and paid by the Buyer. CS3 Surfaces is not liable for any financial losses, interruptions in business, industrial, professional, or residential activities, or any damages that may occur until the claim is definitively resolved. The warranty will be considered void if repairs or alterations are made to the defective product without prior formal authorization from CS3 Surfaces.

4. PROCEDURE FOR CLAIMING THE WARRANTY

If your product shows potential manufacturing defects, contact us at (28) 3542-8200, WhatsApp (28) 99947-1886, or email sac@cs3revestimentos.com. Provide a detailed description of the problem, attaching images, videos, and the purchase invoice. After initial analysis, the technical team may request an inspection of the product or additional information to verify the defect and the conditions outlined in this document. The Buyer's cooperation by providing images, videos, or any type of information or evidence requested by the technical team is essential for triggering this Warranty Certificate. If the manufacturing defect is confirmed, CS3 Surfaces will arrange for the repair or replacement as per the terms established.

5. PRODUCT REPLACEMENT

This Warranty Certificate exclusively covers the repair of the product presenting a manufacturing defect or its replacement with another product of equivalent characteristics, such as color, tone, and dimensions to the one originally purchased by the buyer. If CS3 Surfaces does not have a product with these equivalent characteristics in stock, the product will be replaced with one of similar characteristics to the one purchased by the buyer. The 10-year period applies exclusively to products identified with manufacturing defects that compromise the structural integrity, functionality, or durability of the product. The repair or replacement of the product does not suspend, interrupt, or extend the original warranty period.

6. WARRANTY EXCLUSIONS

The following are expressly excluded from this Warranty Certificate:

6.1 - Actions by Third Parties:

Any damage caused directly or indirectly by actions, services, or interventions carried out by third parties not associated with CS3 Surfaces, including, but not limited to, defects or issues resulting from improper installation methods, finishes, cuts, or any other modifications, adaptations, manipulations, or interventions in the product that do not follow the instructions explicitly contained in the technical data sheets or guides provided by CS3 Surfaces.

6.2 - Misuse or Improper Use:

Damage resulting from using the products for non-recommended purposes or improper handling of the product, contrary to the recommendations in the Technical Data Sheet or Technical Guide of the product, including, but not limited to, using the product for purposes other than those for which it was designed, exposure to extreme conditions, such as high temperatures that are not compatible with the material's characteristics, spilling hot oil, direct and prolonged contact of the material surface with aggressive or potentially staining chemicals that may damage or alter the appearance of the product.

6.3 - Damage from Transport, Handling, and Storage:

Damage occurring during the transportation or handling of the product, including those resulting from transshipment, relocation, loading, and unloading of the material, as well as damage caused by improper storage or handling at the Buyer's receiving location.

6.4 - Fortuitous Events and Force Majeure:

Damage resulting from unforeseen circumstances and/or force majeure, such as natural disasters or unpredictable events.



6.5 - Chemical Products:

Damage resulting from the use of inappropriate chemical products, such as polishing agents, waxes, acids, adhesives, sealants, and waterproofing agents applied contrary to the guidelines specified by the manufacturer and recommendations in the Technical Data Sheet or Technical Guide. Improper application of these products may cause permanent modifications in texture, color, shine, or surface finish, irreversibly compromising the aesthetic and functional integrity of the product.

6.6 - Structural Problems:

Damage caused by external factors to the product, such as structural, electrical, or hydraulic failures.

6.7 - Lack of Maintenance or Improper Cleaning:

Deterioration resulting from the lack of preventive maintenance or improper cleaning practices, contrary to the instructions in the Technical Data Sheet and the Technical Guide of the product, especially those regarding the use of abrasive products (such as scouring powders), chemically aggressive products (acids, caustic soda, alcohol, kerosene, acetone, removers, and solvents), or any substance that may damage the surface of the material.

6.8 - Damage from Impact or External Factors:

This Warranty Certificate does not cover chips, cracks, scratches, or any damage caused by impacts, blows, friction, object drops, or excessive weight applied to the material. These damages are not considered manufacturing defects and are therefore excluded from the warranty coverage.

6.9 - Natural Wear:

Damage or alterations resulting from the natural wear of the product, including loss of shine, scratches, superficial stains, and other modifications resulting from regular, intensive, or prolonged use of the product. These changes are considered part of the normal, gradual aging of the material over time and do not represent manufacturing defects.

6.10 - Aesthetic Variations:

The warranty does not cover aesthetic variations, including differences in tone, veins, grain, and any other visual characteristics that may occur between different production batches, samples presented, and photographic representations of the products marketed by CS3 Surfaces. These variations are intrinsic to the materials used and the manufacturing processes, reflecting the individuality of each piece and do not constitute manufacturing defects. The visual differences result from the technical specifics of extraction, processing, and exposure of the materials and are therefore excluded from the scope of coverage of this Warranty Certificate.

CS3 Surfaces remains committed to providing the best experience for our customers and offering opportunities and solutions with quality.

For more information not found in this guide,
please contact the Quality | R&D department at
CS3 Surfaces for support.



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