TechniStone®
A WILSONART COMPANY
everlasting beauty



# TechniStone® A WILSONART COMPANY



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# About the Company

Technistone is one of the Wilsonart family of companies. Wilsonart is an American manufacturer and distributor of engineered surfaces, with a history that reaches back to 1956. At Technistone, we've been making engineered stone for more than thirty years. Our cutting-edge research and development department leads in the pursuit of innovation, and our wide network of branches and distributors facilitates exports to more than 60 countries.

Our production line in Hradec Králove in the Czech Republic is equipped with original Italian machines built by Breton. Our management's compliance with ISO 9001:2015 standards is regularly checked by the TÜV testing, inspection, and certification association. Technistone is also helping to shape the future of our industry as a member of AStA, the worldwide association of engineered stone manufacturers.

### **TITE TON**





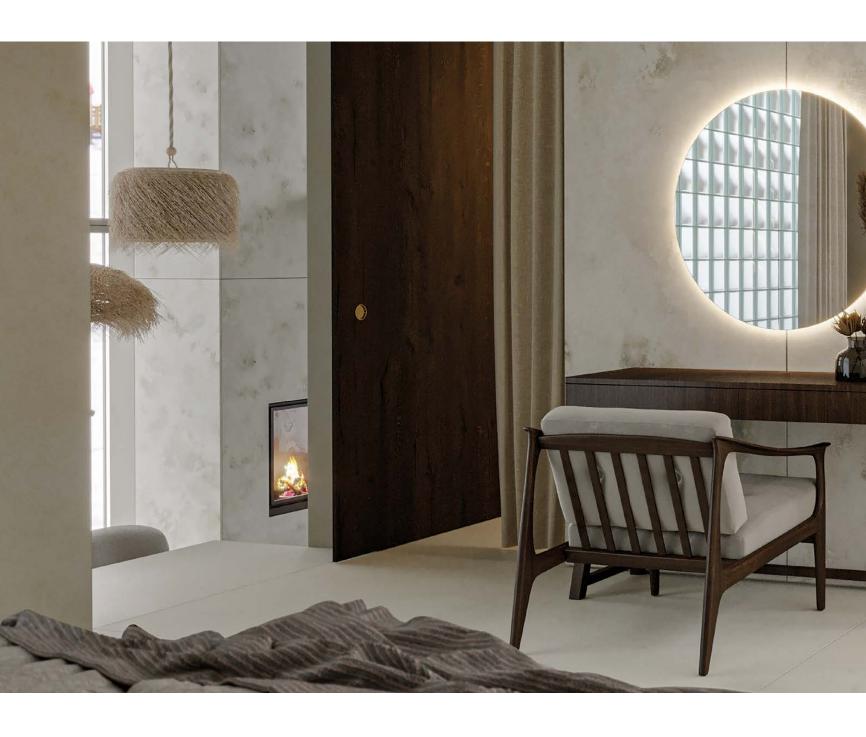




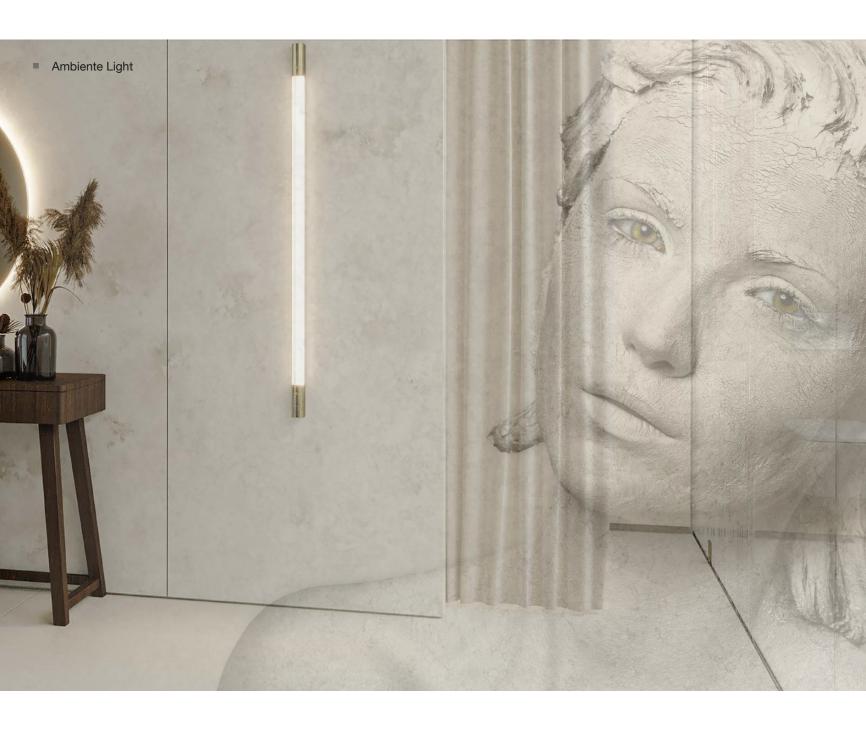




## About the Product



High durability, ease of maintenance, and attractive appearance have made engineered stone the material of choice for an increasing number of consumers worldwide. Our stone slabs are manufactured using natural quartz materials and coloured pigments that are bonded with polyester resin. In addition, we also use recycled glass and mirror shards in some products. Intense vibration, a vacuum, and high pressure during moulding and polishing help to achieve the non-porosity that distinguishes engineered stone from natural stone and gives it its high stain resistance.



The manufacturing process is subject to strict standards, applied to both raw material inputs and the final product. TechniStone® products are produced in large size slabs in several thicknesses, which have a wide range of applications in both the private and the commercial sectors.



10-year warranty



Discover more

## TechniStone® Material Use

Kitchen countertops

Kitchen wall cladding

Bars, dinner tables

Floor and stairs tiling

Fireplace cladding, window sills

Interior decoration

Sinks\*

Bathroom vanity tops

Shower and bathtub cladding

Washbasins\*

Wall cladding

Wall decorations

\*After consultation with the fabricator.





Highly Scratch Resistant



Highly Stain & Natural Acid Resistant



Antibacterial



Certified for Food Contact



Quartz & Natural Raw Materials



Waterproof



Easy Maintenance & Cleaning



Color Uniformity & Stability



Unique Design



Long Lifetime & Durability



Wide Range of Shades & Finishes



Wide Range of Product Applications



### Certification

A list of all products with corresponding certificates can be inspected in the Origin database.



Declare is a "nutrition label" for building products that provides information about product composition and environmental impact throughout the life cycle of the product. Technistone's products are certified as meeting the strictest standards and being free of harmful materials classified on the Living Building Challenge (LBC) Red List. Use of products bearing the Declare label earns architects and designers points in the LEED green buildings certification program.



The Health Product Declaration Collaborative Protocol examines the chemical substances in a product and compares them with the hazardous substance list published by government and scientific institutions. The product does not contain any unauthorized chemicals.





Technistone's products have achieved UL's Greenguard Gold and SCS Global Services' Indoor Advantage certifications. That means they are free of any volatile organic compounds (VOCs) and do not emit any substances that can negatively influence the quality of the air indoors.





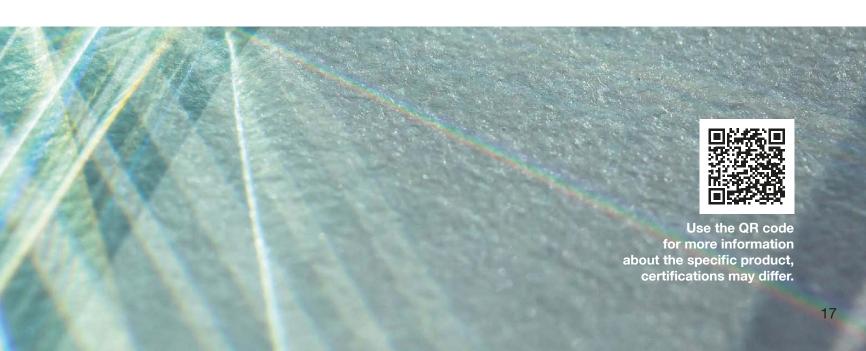


Many of Technistone's products contain more than a 20, 30, 40, and in some cases as much as a 70 percent share of recycled content.



TechniStone® complies with strict standards and procedures imposed by the National Sanitation Foundation and its products are safe for contact with food.













See our references

# Everlasting Beauty for Sustainability

Living in harmony with nature and not taking its beauty for granted. At Technistone, we do our best to preserve nature's resources while being as considerate as possible in our operations.

**3** Resupport sustainable development through the three magic Rs, REDUCE - RECYCLE - REUSE

By applying these mottos both in production and in our daily lives, we strive to help reduce material waste and preserve natural resources.

### 1 REDUCE

We **reduce** waste, use resources prudently and reduce the side effects of resource extraction.

### 2 RECYCLE

We recycle unused waste material.

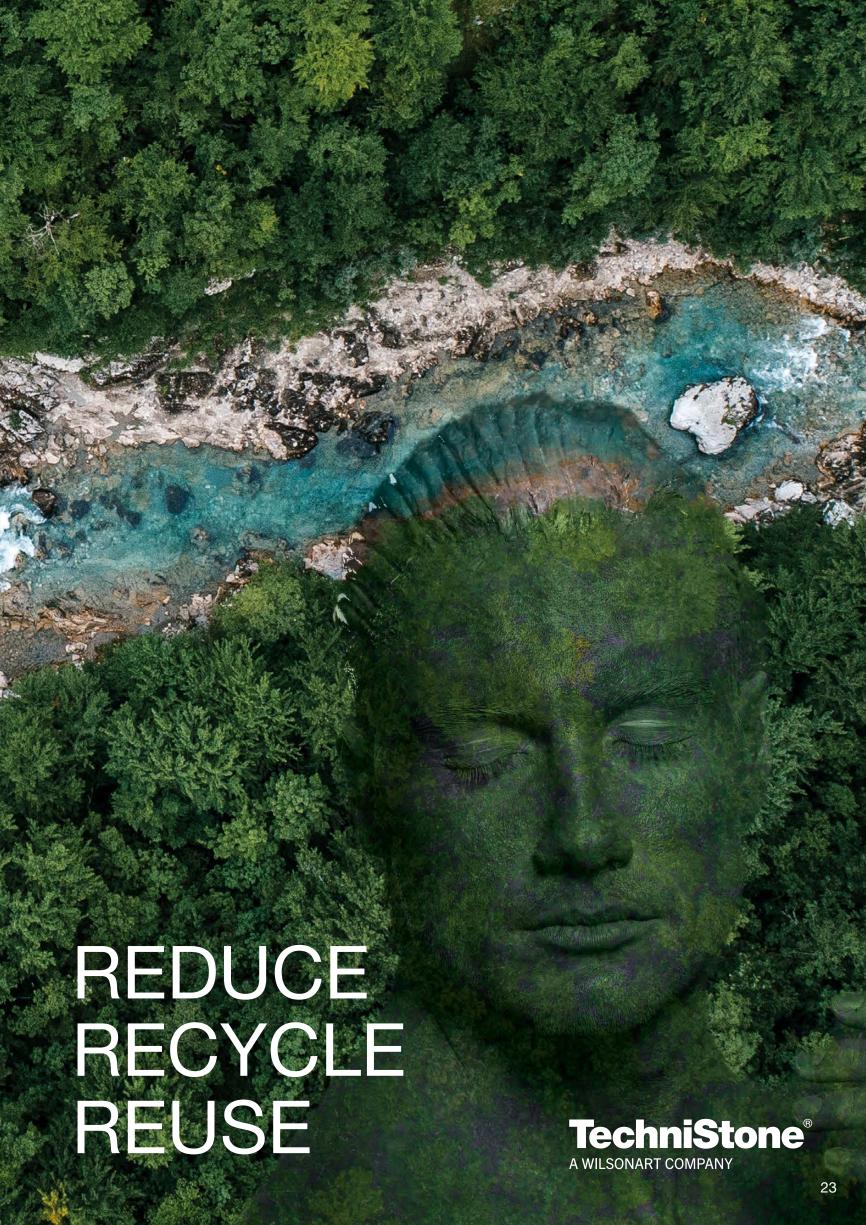
#### **3 REUSE**

TechniStone® product can be **reused** in different forms and variations, thus contributing to long-term sustainability. Thanks to the extraordinary properties given by the combination of nature and modern 21<sup>st</sup> century technology, the material can retain its beauty for many years.

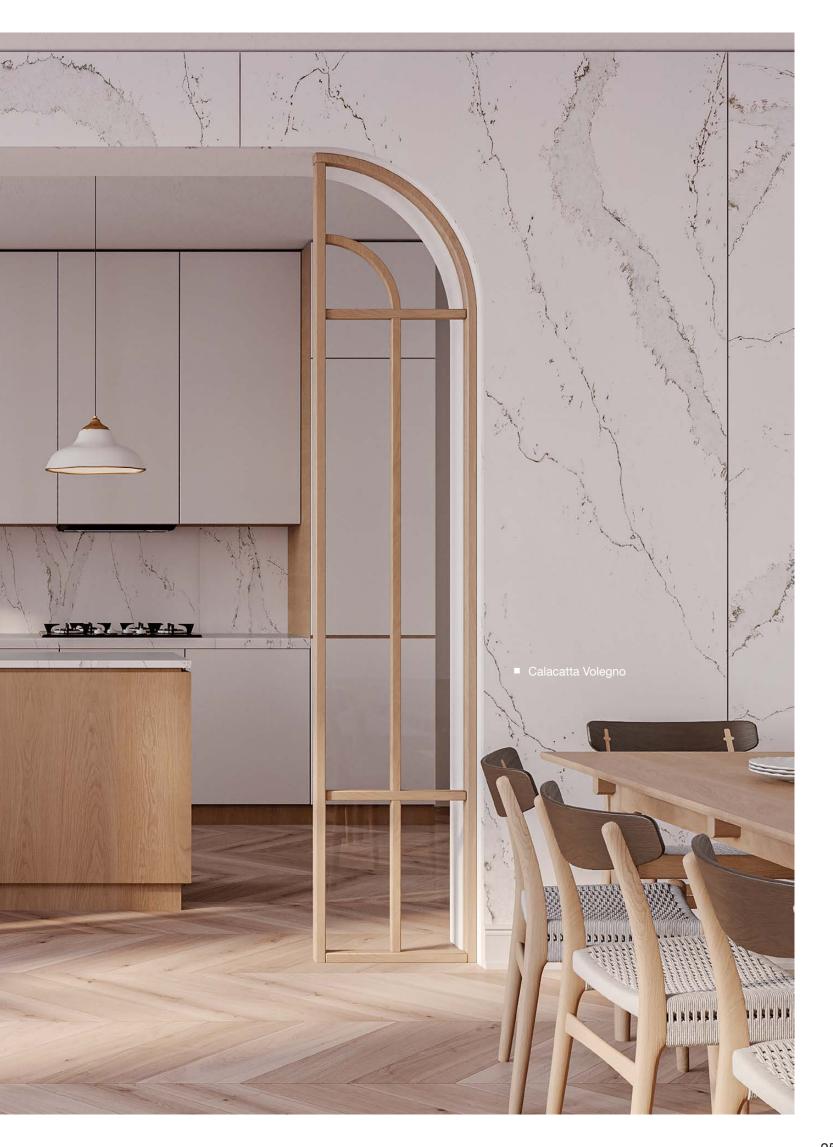


Discover more











Calacatta Volegno

Polished finish Jumbo 165 size (20, 30 mm)



Calacatta Serchio

Polished finish Jumbo 165 size (20, 30 mm)





Calacatta Pastino

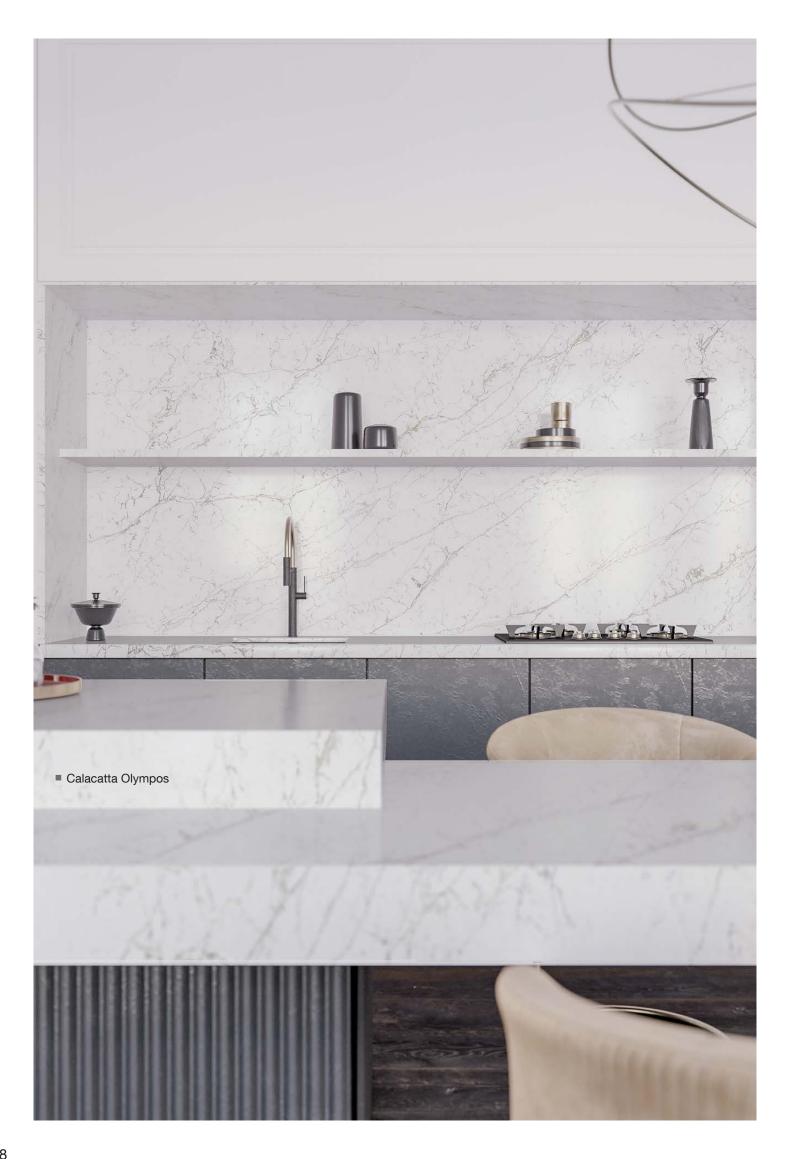
Polished finish Jumbo 165 size (20, 30 mm)

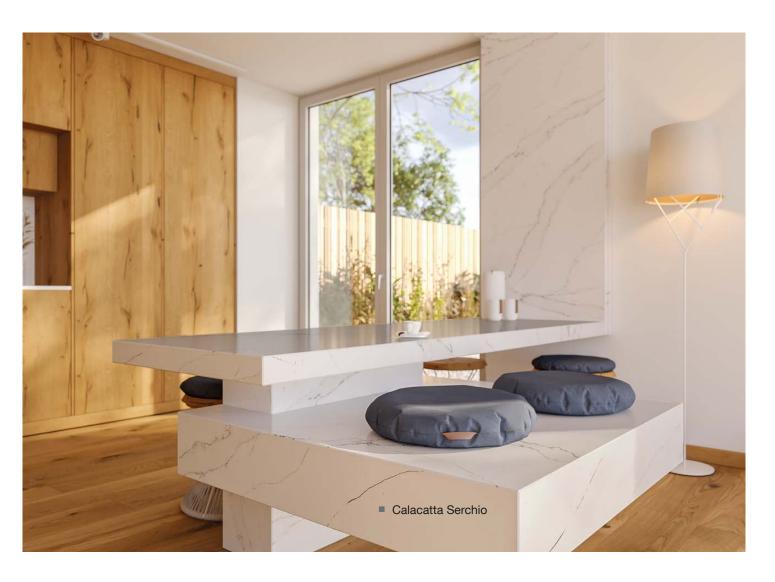


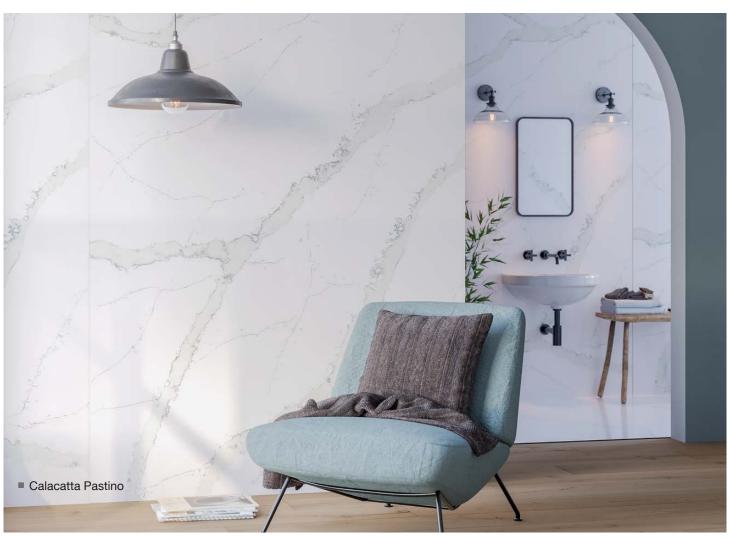
### Calacatta Olympos

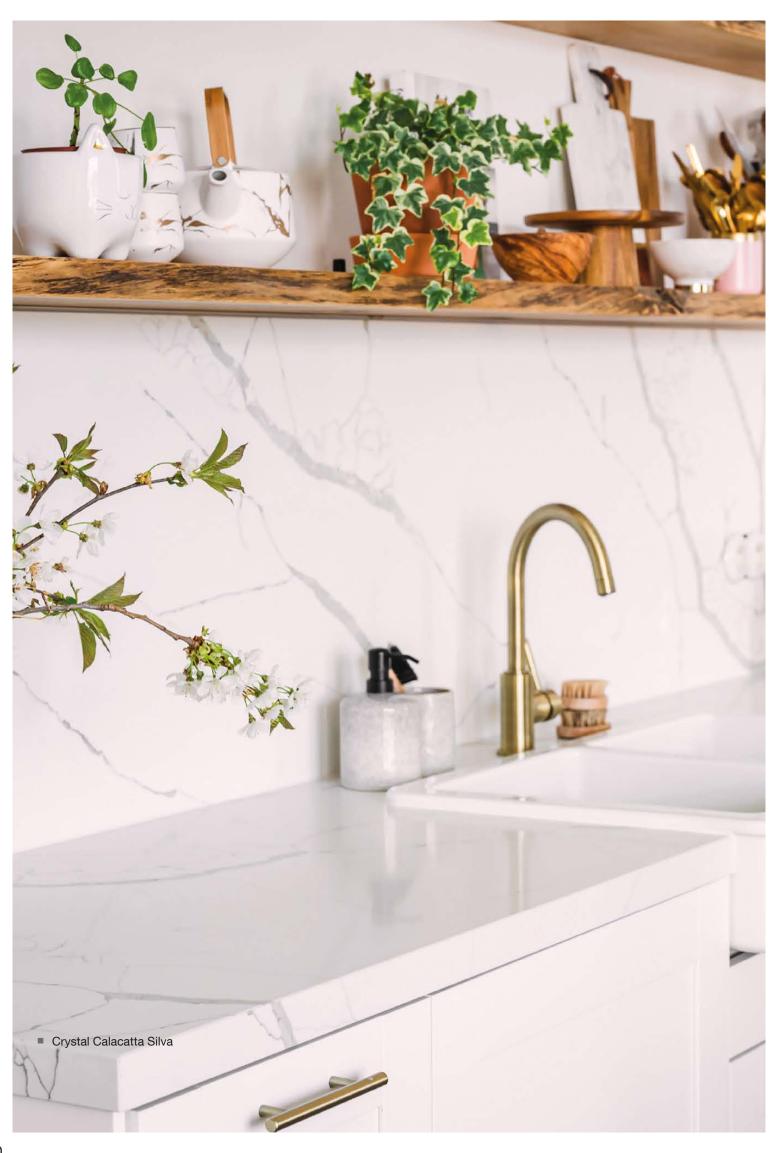
Polished finish Jumbo 165 size (20, 30 mm)













Mystery White

Polished finish Jumbo 160 size (20, 30 mm)



**Crystal Calacatta Silva** 

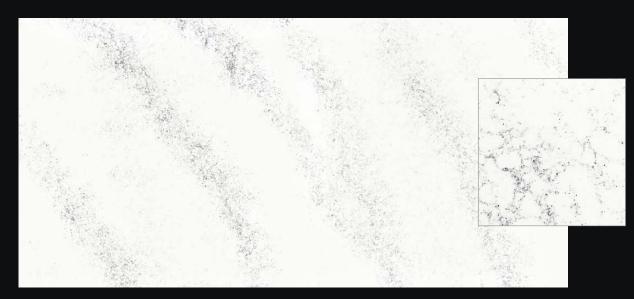
Polished finish Jumbo 160 size (20, 30 mm)



### **Poetic Black**

Matt finish Jumbo 160 size (20, 30 mm)





Pearl Alba
Polished, Matt finish
Jumbo 155 size (20, 30 mm)



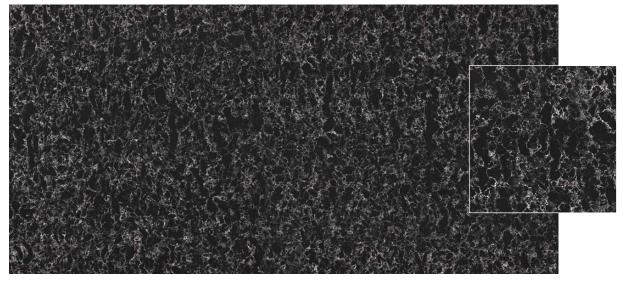
**Pearl Lava** 

Polished finish Jumbo 155 size (20, 30 mm) 40% content of recycled raw materials



### **Pearl Delta**

Polished finish Jumbo 155 size (20, 30 mm) 40% content of recycled raw materials

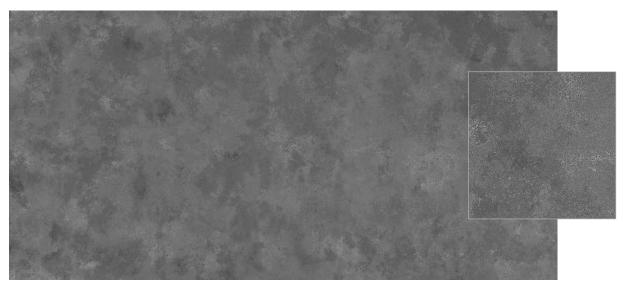


### **Pearl Rocca**

Polished finish Jumbo 155 size (20, 30 mm) 40% content of recycled raw materials



Ambiente Light
Terra finish
Jumbo 160 size (20, 30 mm)



Residente Dark
Terra finish
Jumbo 160 size (20, 30 mm)





Metropole Nero Matt finish Jumbo 160 size (20, 30 mm)



**Decore Ocra**Matt finish
Jumbo 160 size (20, 30 mm)







Noble Supreme White
Polished finish
Jumbo 155 size (20, 30 mm)



Noble Areti Bianco
Polished finish
Jumbo 155 size (20, 30 mm)



Noble Villa
Polished, Matt finish
Jumbo 155 size (12, 20, 30 mm)



**Noble Linea**Polished finish
Jumbo 155 size (20, 30 mm)



**Noble Arco**Polished, Matt finish
Jumbo 155 size (20, 30 mm)



Noble Quartzite
Polished, Matt finish
Jumbo 155 size (20, 30 mm)



**Noble Carrara**Polished finish
Jumbo 155 size (20, 30 mm)







**Noble Vintage**Polished, Matt finish
Jumbo 155 size (12, 20, 30 mm)



Noble Olympos Mist
Polished finish
Jumbo 155 size (20, 30 mm)



**Noble Ivory White**Polished finish
Jumbo 155 size (20, 30 mm)



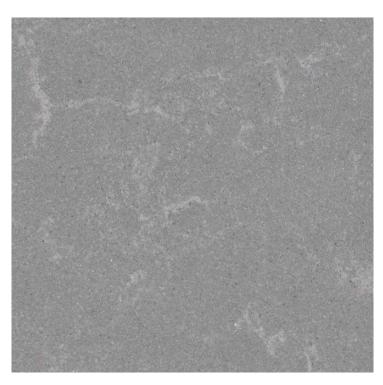
Noble Concrete Grey
Polished, Matt finish
Jumbo 155 size (12, 20, 30 mm)



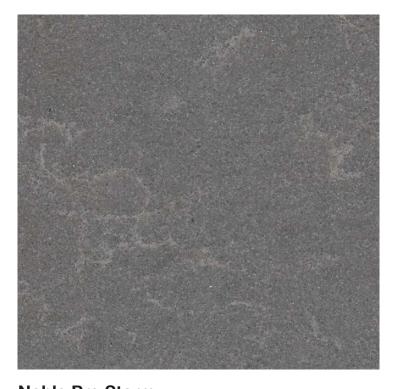
Noble Portland Grey
Polished, Matt finish
Jumbo 155 size (12, 20, 30 mm)



Noble Pro Frost
Polished finish
Jumbo 155 size (20, 30 mm)

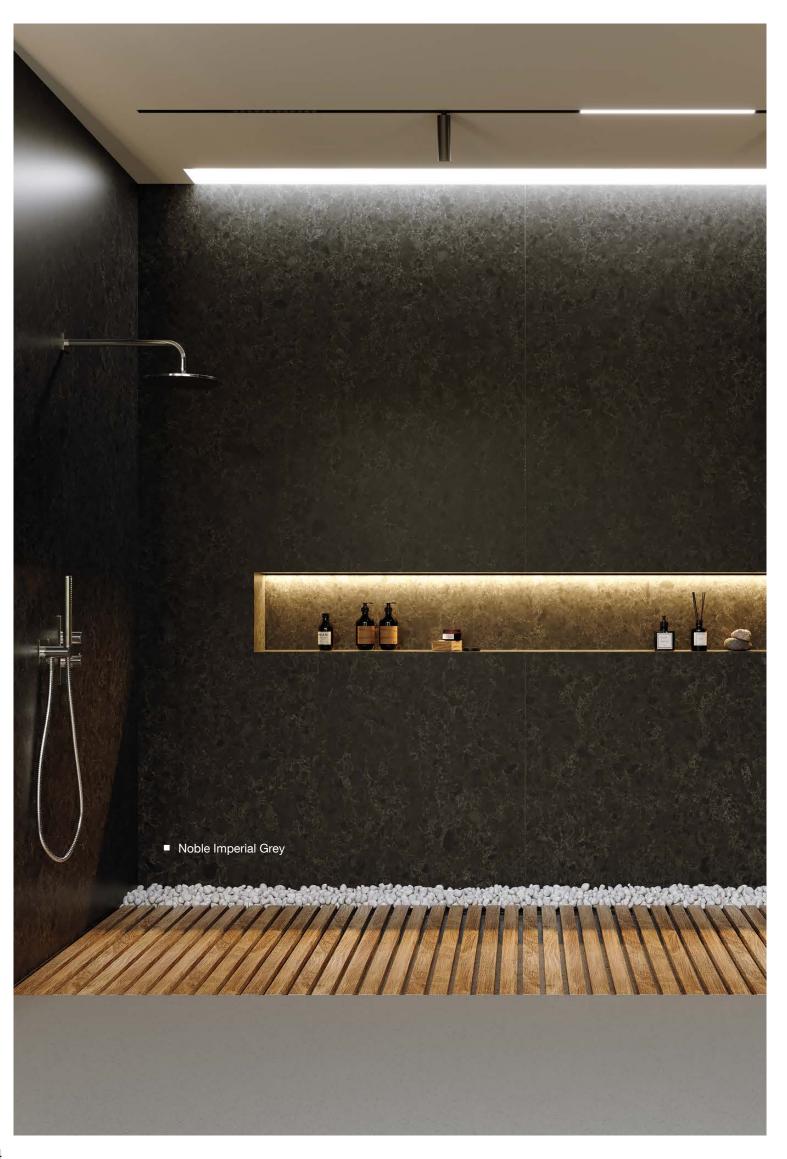


Noble Pro Cloud
Polished finish
Jumbo 155 size (20, 30 mm)



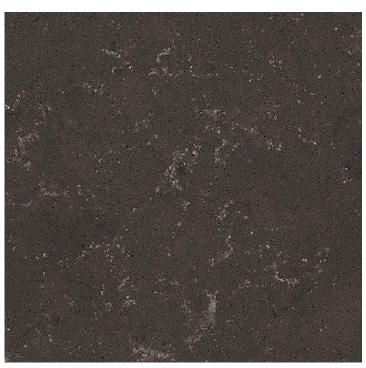
Noble Pro Storm
Polished finish
Jumbo 155 size (20, 30 mm)







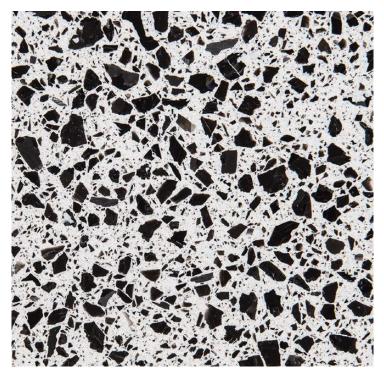
Noble Athos Brown
Polished finish
Jumbo 155 size (20, 30 mm)



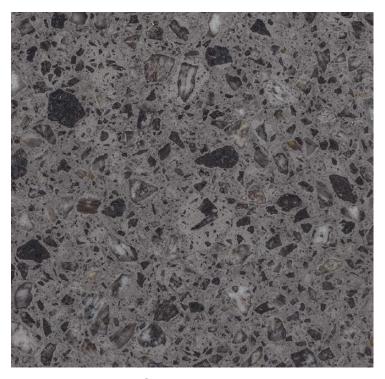
Noble Pietra Grey
Polished finish
Jumbo 155 size (20, 30 mm)



**Noble Imperial Grey**Polished finish
Jumbo 155 size (20, 30 mm)



**Taurus Terazzo White**Polished, Matt finish
Jumbo 155 size (12, 20 mm)
40% content of recycled raw materials



**Taurus Terazzo Grey**Polished, Matt finish
Jumbo 155 size (12, 20 mm)

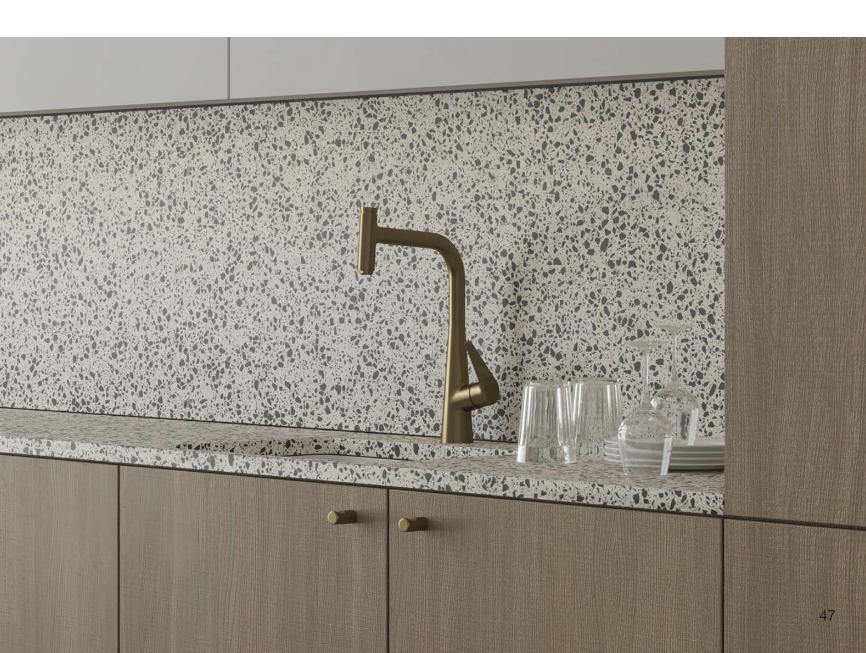




**Taurus Terazzo Black**Polished, Matt finish
Jumbo 155 size (12, 20 mm)
20% content of recycled raw materials



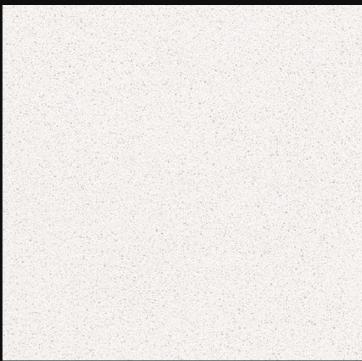
**Taurus Terazzo Dark**Polished, Matt finish
Jumbo 155 size (12, 20, 30 mm)
60% content of recycled raw materials





#### **Crystal Absolute White**

Polished finish Jumbo 155 size (12, 20, 30 mm)



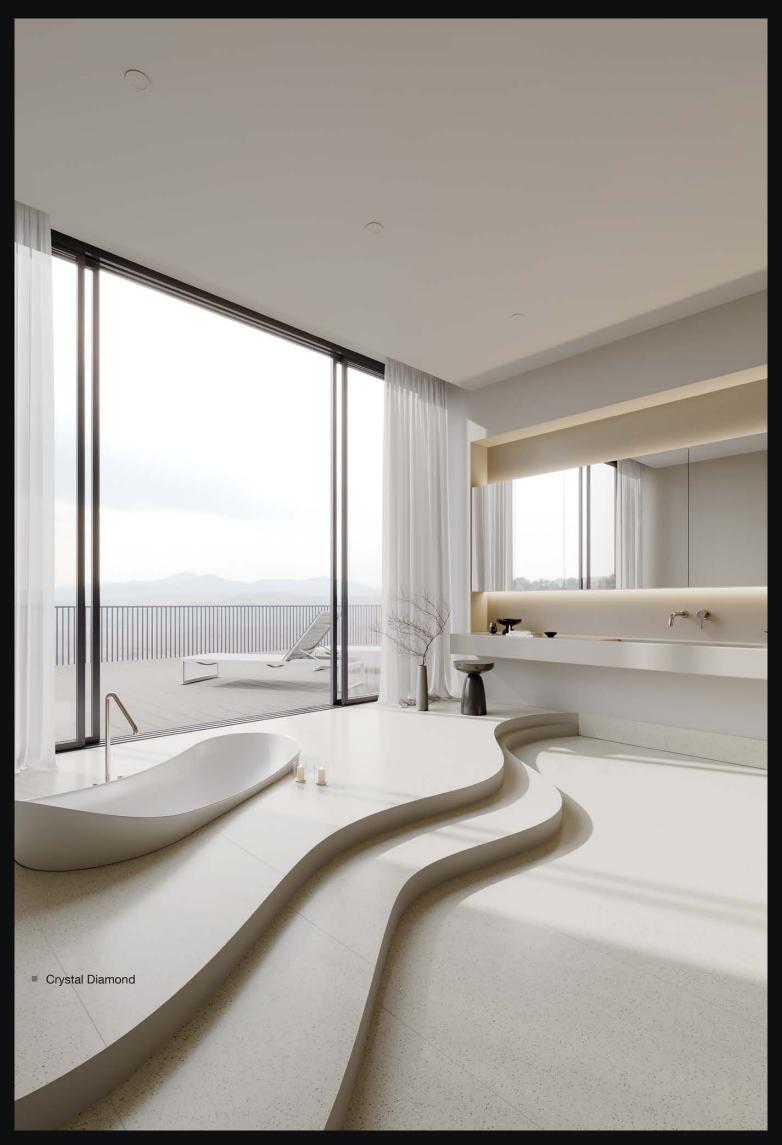
#### **Crystal Polar White**

Polished finish Jumbo 155 size (20, 30 mm)



#### **Crystal Diamond**

Polished finish Jumbo 155 size (20, 30 mm)







**Crystal Nevada** 

Polished finish Jumbo 155 size (20, 30 mm)



**Crystal Royal** 

Polished finish Jumbo 155 size (20, 30 mm)



**Elegance Eco Nev** 

Polished finish Jumbo 155 size (12, 20, 30 mm) 30% content of recycled raw materials



**Gobi Urban**Polished, Matt finish
Jumbo 155 size (12, 20, 30 mm)

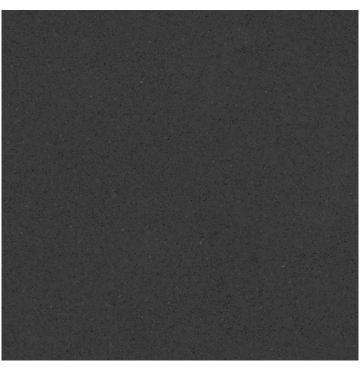


**Gobi Grey**Polished finish
Jumbo 155 size (20, 30 mm)





**Crystal Steel**Polished finish
Jumbo 155 size (20, 30 mm)

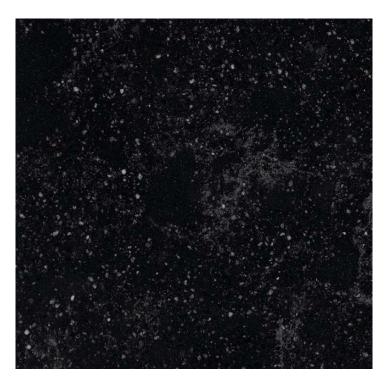


**Crystal Anthracite Pure**Polished finish
Jumbo 155 size (20, 30 mm)



**Gobi Black**Polished finish
Jumbo 155 size (12, 20, 30 mm)
40% content of recycled raw materials





**Crystal Belgium**Polished, Matt finish
Jumbo 155 size (12, 20 mm)



**Taurus Black**Polished finish
Jumbo 155 size (12, 20, 30 mm)
50% content of recycled raw materials



#### **Brilliant White**

Polished finish Jumbo 155 size (20, 30 mm) 30% content of recycled raw materials



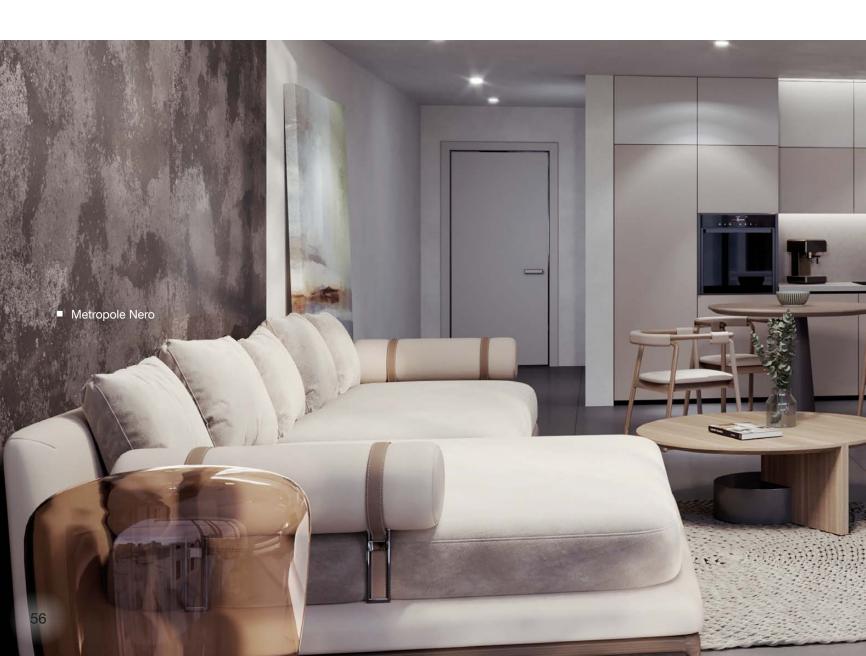
**Brilliant Arabesco** 

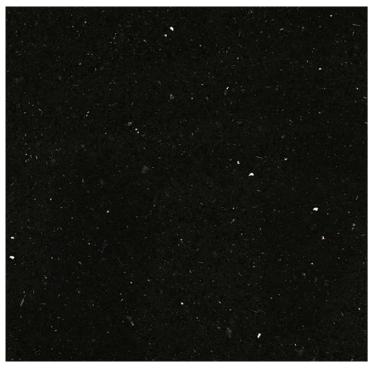
Polished finish Jumbo 155 size (20, 30 mm) 30% content of recycled raw materials



**Starlight White** 

Polished finish Jumbo 155 size (20, 30 mm) 40% content of recycled raw materials





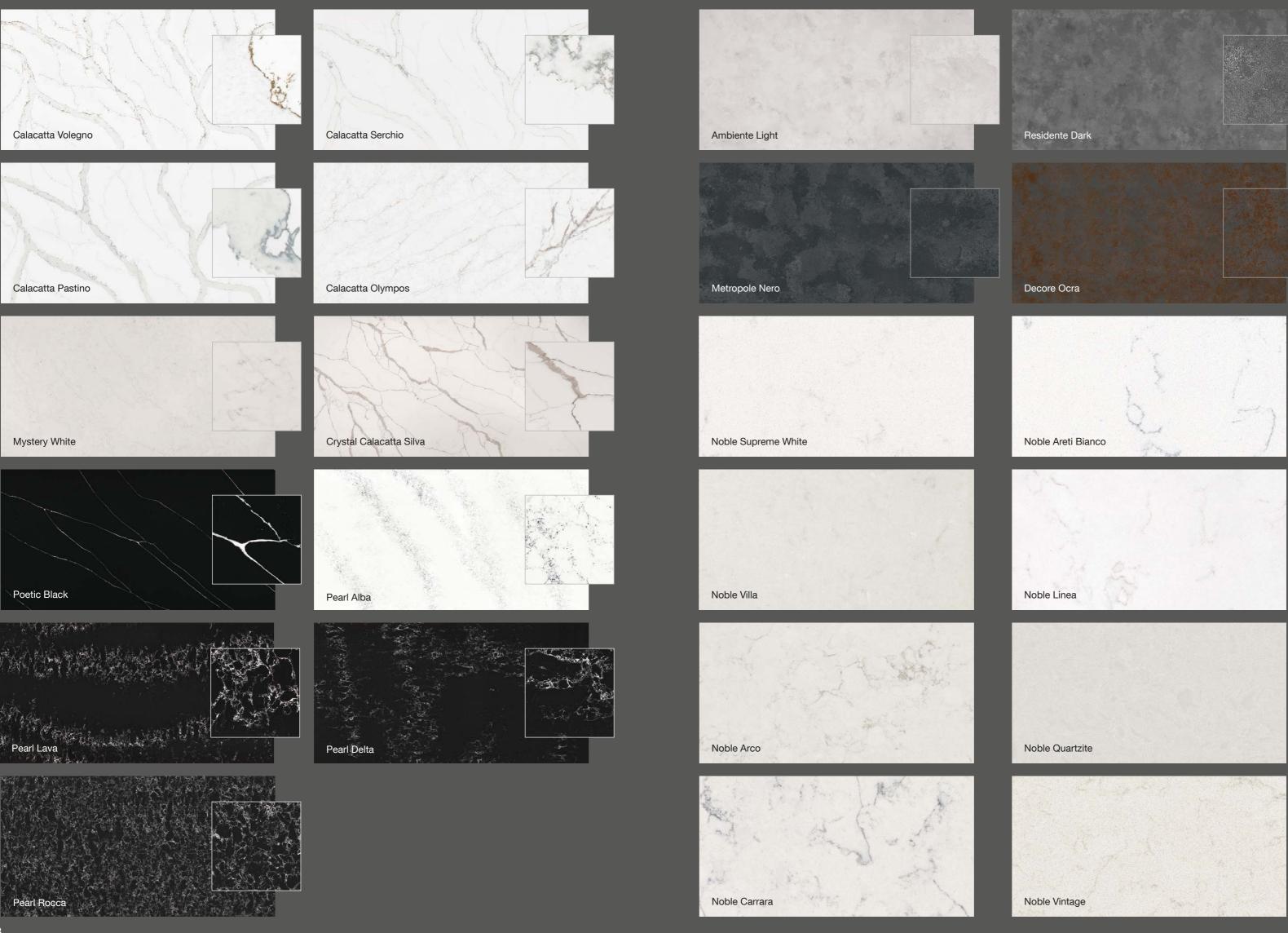
Brilliant Black
Polished finish
Jumbo 155 size (20, 30 mm)
40% content of recycled raw materials



Starlight Black
Polished finish
Jumbo 155 size (12, 20, 30 mm)
Tiles
70% content of recycled raw materials









The shade of the printed picture may vary from the actual appearance of the quartz sample.





# Technical Information





### Dimensions

#### SLABS THICKNESS AND WEIGHT

SLAB THICKNESS	WEIGHT 1 m <sup>2</sup>	WEIGHT OF THE SLAB
Jumbo 155 size: 20 mm / 0.78 in	55 kg	270 kg
Jumbo 155 size: 30 mm / 1.18 in	80 kg	395 kg
Jumbo 160 size: 20 mm / 0.78 in	57 kg	292 kg
Jumbo 160 size: 30 mm / 1.18 in	82 kg	420 kg
Jumbo 165 size: 20 mm / 0.78 in	44,8 kg	242 kg
Jumbo 165 size: 30 mm / 1.18 in	68 kg	367 kg

#### SLAB DIMENSIONS

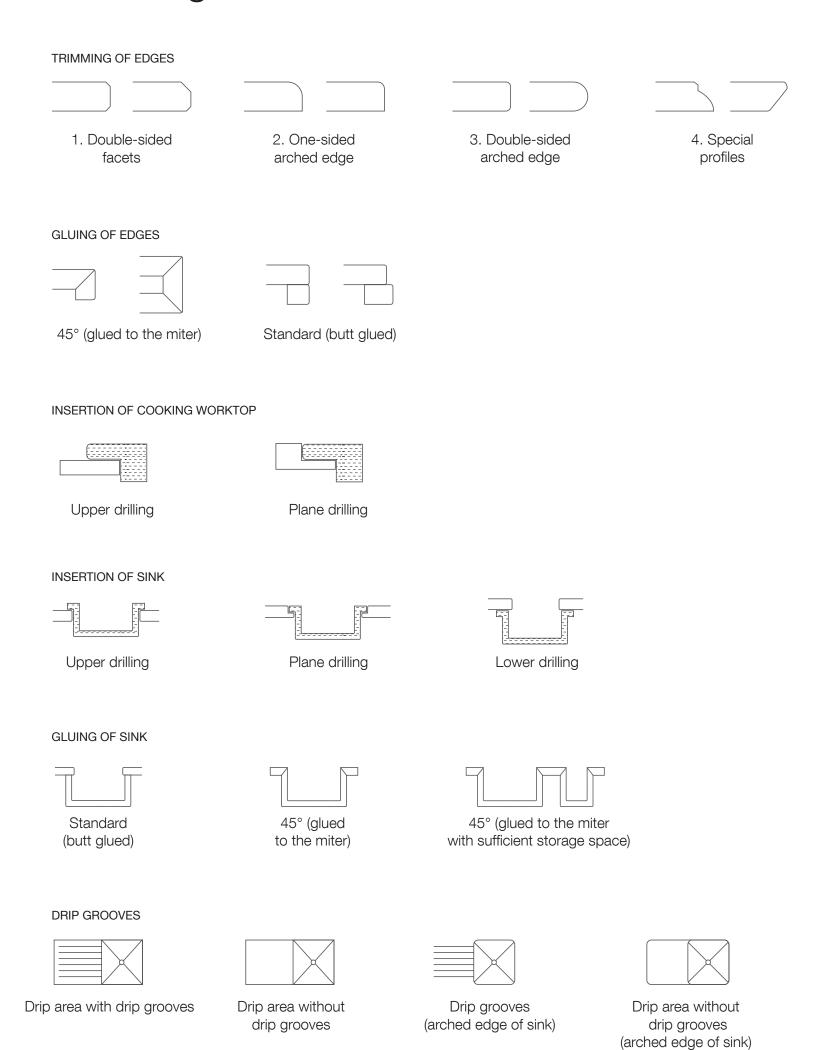
	JUMBO 155	JUMBO 160	JUMBO 165
Usable area	$318.5 \times 155 \text{ cm} / 125.39 \times 61.02 \text{ in}$	$320 \times 160 \text{ cm} / 125.98 \times 62.99 \text{ in}$	$329 \times 164 \text{ cm} / 129.53 \times 64.57 \text{ in}$
Net surface	4.94 m <sup>2</sup> / 53.17 sqft	5.12 m <sup>2</sup> / 55.11 sqft	5,40 m² / 58.125 sqft

#### TILES DIMENSIONS

FORMAT	THICKNESS
30 × 30 cm / 11.81 × 11.81 in	1.2 cm / 0.47 in
60 × 30 cm / 23.62 × 11.81 in	1 cm / 0.39 in
60 x 60 cm / 23 62 x 23 62 in	



## Trimming of Slabs



### Physical-mechanical Characteristics

#### CONTENTS OF INDIVIDUAL CONSTITUENTS

PRODUCTION GROUP	TRADE NAME	NATURAL INORGANIC CONSTITUENT	WEIGHT %	BINDER	WEIGHT %	COLOR ADDITIVES	WEIGHT %
Sand	Elegance Gobi	Silica sand, glass	89.0 - 91.0	Resin	8.5 - 10.5	Color pigments	<0.1 - 0.5
Granite	Taurus	Granite, silica sand, quartz	90.3 - 92.0	Resin	7.5 - 9.2	Color pigments	<0.1 - 0.5
Mirrors	Starlight Brilliant Pearl	Crushed mirrors, glass, silica sand, quartz	88.2 - 91.2	Resin	8.0 - 10.8	Color pigments	<0.1 - 1.0
Crystal	Crystal Harmonia Noble Noble Pro	Quartz, silica sand, crushed mirrors, glass, granite	84.5 - 90.5	Resin	8.0 - 14.0	Color pigments	<0.1 - 1.7

#### SUITABILITY FOR INTERIOR USE AND CONTACT WITH FOOD

#### CONTACT WITH FOOD

SOURCE	ALL PRODUCTS TECHNISTONE®*
NSF USA	Food equipment materials  - Food / Splash zone
National Institute of Public Health Czech Republic	Suitable for kitchen counter top application according EC regulations

#### **HEALTH SAFETY**

SOURCE	ALL PRODUCTS TECHNISTONE®*
GREENGUARD	The product complies with the criteria stipulated in the Standard Method V1.2-2017 of the Californian Department of Public Health as regards use in schools and office environment.
National Institute of Public Health Czech Republic	The product contains no volatile toxic compounds (VOC)
Tile Council of North America, Inc.	The product contains no volatile toxic compounds (VOC)
SCS Global Services	SCS Indoor Advantage Gold Certification

 $<sup>^{\</sup>ast}$  Applicable to selected products.

#### VALUES OF BASIC PHYSICAL-MECHANICAL PROPERTIES OF PRODUCTION GROUPS OBTAINED ON AVERAGE

PRODUCTION GROUP	BULK DENSITY (g/cm³)		WATER ABSORPTION AFTER 48 HOURS (%)		FLEXURAL TENSILE STRENGTH (MPa)	
	Range Of Values	Average Value	Range Of Values	Average Value	Range Of Values	Average Value
Sand	2.35 - 2.44	2.39	0.01 - 0.05	0.03	47 - 71	57
Granite	2.40 - 2.58	2.48	0.01 - 0.07	0.04	31 - 50	42
Mirrors	2.31 - 2.45	2.38	0.01 - 0.05	0.02	36 - 68	49
Crystal (Noble)	2.20 - 2.37	2.32	0.01 - 0.05	0.03	63 - 93	80
Crystal (grains < 2.5 mm)	2.20 - 2.44	2.38	0.01- 0.05	0.03	50 - 97	75
Crystal (grains ≥ 2.5 mm)	2.39 - 2.47	2.43	0.01 - 0.04	0.02	31 - 54	46
Implementing standard	EN 14617-1	EN 14617-1	EN 14617-1	EN 14617-1	EN 14617-2	EN 14617-2
Determined	Technistone laboratory	Technistone laboratory	Technistone laboratory	Technistone laboratory	Technistone laboratory	Technistone laboratory

The range of values corresponds with the lowest and highest result achieved within all products in the production group.

The average value does not correspond with the specific value in the range, but with the average of the results of all products within the production group.

THERMAL EXPANSION coefficient a (30 ° TO 60 °C) (10-6/°C)	THERMAL EXPANSION coefficient a (20 ° to 130 °C) (10-6/°C)	FROST RESISTANCE COEFFICIENT (AVERAGE)	ABRASION RESISTANCE (AVERAGE) (mm³)
21.8	30.0	90 - 110	6840
13.4	17.3	90 - 110	8125
17.5	22.7	90 - 110	7900
17.5 - 34.6	22.7 - 40.2	90 - 110	6700
EN 14617-11	EN 14617-11	EN 14617-5	EN 4157 (B)
TZÚS Plzeň	TZÚS Plzeň	Stone and Gravel Test Laboratory. Hořice	Stone and Gravel Test Laboratory. Hořice
	coefficient α (30 ° TO 60 °C) (10-6/°C) 21.8 13.4 17.5 17.5 - 34.6 EN 14617-11	coefficient α (30 ° TO 60 °C)       coefficient α (20 ° to 130 °C)         (10-6/°C)       (10-6/°C)         21.8       30.0         13.4       17.3         17.5       22.7         17.5 - 34.6       22.7 - 40.2         EN 14617-11       EN 14617-11	THERMAL EXPANSION coefficient a (30 ° TO 60 °C)  (10-6/°C)  21.8  30.0  90 - 110  17.5  22.7  90 - 110  17.5 - 34.6  EN 14617-11  EN 14617-11  EN 14617-5  TZI IS Pizeň  TZI IS Pizeň  COEFFICIENT (AVERAGE)  10-6/°C)  -  COEFFICIENT (AVERAGE)  40 - 110  90 - 110  EN 14617-5  Stone and Gravel Test

### Finishes











### Maintenance

#### **General Recommendations**

- ✓ For long-term maintenance of polished material, it is not advisable to regularly cut food or other products directly on the worktop. Use a cutting board.
- ✓ Do not place hot items (e.g. cast pots) directly on the counter top, always use an insulating pad.
- Use caution when using special knives and sharp objects.
- Use caution when handling dishes and other metal objects, especially at the edges or corners of the counter top.
- ✓ Do not allow these liquids to sit for prolonged periods (coffee, tea, wine, oil, etc.), remove them as soon as possible.
- Avoid splashing the counter top with strong cleaners for toilets, ovens, grills, stainless steel and hoods. These cleaners may contain substances that cause irreversible changes in the structure and color of the material (e.g. SAVO stainless steel cleaner, CIF hood cleaner).
- The surface of the product is not permanently resistant to strong acids and bases (hydrochloric acid, phosphoric acid, sodium hydroxide, potassium hydroxide, hydrogen peroxide) and does not even resist hydrofluoric acid for a short time. These substances can be contained in some detergents available on the market, so it is important to read the composition of the products and use only as recommended.
- TechniStone® products are designed for interiors and do not withstand prolong exposure to direct sunlight.

For more information, please refer to the supplier of the kitchen counter top or floor tiles and the manufacturer's website at www.technistone.com, where all the documents and materials are available for our partners, including the General Business Terms and Cleaning Manual.





#### **Daily Use**

For day-to-day maintenance, one of the following products can be used. These cleaning agents have a slight cleansing effect and serve primarily to degrease and remove common impurities on the kitchen counter. Always follow the manufacturer's recommendations and read the composition and use safety data sheets.

#### FOR EVERYDAY CLEANING

COMPANY	NAME
Technistone	Orange Cleaner
Akemi	Quartz Clean and Care
HG	HG natural stone kitchen top cleaner
Lasselsberger / Rako	CL 803, CL 804
Lihofin	Easy Clean

#### FOR EVERYDAY CLEANING OF TILES

COMPANY	NAME
Technistone	Orange Cleaner
Akemi	Crystal Clean
HG	HG streak free
Lasselsberger / Rako	CL 803, CL 804
Lihofin	MN Easy-Care Cleaner

#### **Special Products**

For resilient stains (i.e. oil, rust, cement, adhesives), we recommend the following products in particular. These cleaners are mostly based on moderate acids and alkalis, therefore use caution when applying, minimize action time, dilute the product, and rinse thoroughly with water after application.

Before each use of the selected detergent, we recommend that you test it on a small area. Always follow the manufacturer's recommendations, read the composition and use safety data sheets. After using detergents, the surface of the product should always be thoroughly washed with clean water.

#### FOR INTENSIVE CLEANING

STAINS	COMPANY	NAME
	Fila	NoSpot
	Lithofin	Oil-Ex
_	Akemi	Stone Cleaner
Grease	HG International	HG oil & grease absorber, HG grease away
	Bellinzoni	Ultra Stripper gel
	Lithofin	MN builders clean
	Akemi	Ceramics cement film Remover
Cement	Lasselsberger, s. r. o. (Rako System)	CL 802
residues	HG International	HG grout cleaner, HG marble cement & lime film remover
	Bellinzoni	Extra strong detergent Bert 27
	Fila	SR/95
Rust	Lithofin	Rust-Ex
	Akemi	Spot Removal Marble
	Tenax	Quartz AxCleaner
Scales	Fila	Deterdek PRO
and soap residue	Akemi	Ceramics cement film Remover
	HG International	HG marble bathroom cleaner
	Fila	SR/95
	Lithofin	MN Power-clean, Composite cleaner PRO
Resistant	Akemi	Quartz Intensive cleaner
stains	HG International	HG spot stain remover, HG marble stain color remover
	Bellinzoni	LEM 3 Detergente Neutro
Silicone	HG International	HG silicon seal remover
residues	Lasselsberger, s. r. o. (Rako System)	CL 806



#### Treatment, Sealing, Impregnation

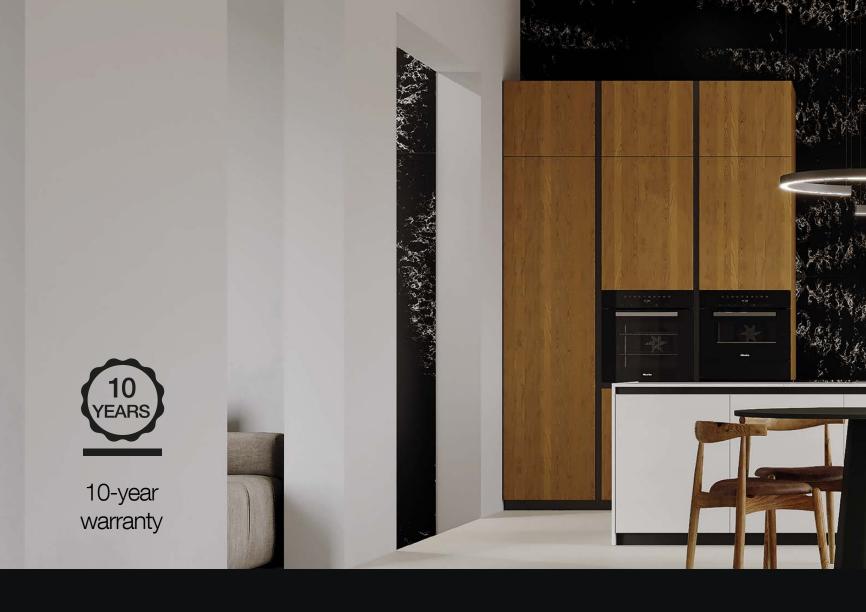
Special products are also available on the market that, when used per the manufacturer's recommendation, will offer increased protection against staining (impregnation from wax-based products). These treatments are typically water-based and are available with and without color intensifier additives.

Always read the manufacturer's recommendations to ensure you understand their intended use and composition (dilution ratio's, safety data sheets, etc). The use of these impregnating products are especially recommended for special finishes (i.e. honed, textured, etc) and for high traffic surfaces (kitchens, bars, shops).

The impregnating product will need to be reapplied over time depending on the frequency the surface is used. Always apply the impregnator agent to a clean, dry surface using a microfiber cloth. After application, remove any excess sealing agent and buff gently with a clean microfiber cloth to remove any remaining residue. Follow manufacturer's recommendation for use immediately following the application.

#### SURFACE PROTECTION

COMPANY	NAME
Akemi	Stone Impregnation
Bellinzoni	Idea XC



# Warranty

#### **Validity**

Technistone provides a 10-year warranty on slabs for interior use.

The warranty must be activated by registering your TechniStone® product on the Company's website in the "Customer Care" section under "Warranty" (or scan the QR code below).

The warranty starts the day that the fabricated slabs are installed by a licensed fabricator in the interior living space.

Registration must be completed within 30 days of said installation. These warranty terms are provided by Technistone only for slabs installed in an interior living space (i.e. for indoor use), and is not valid for slabs installed in public or outdoor areas.

The seller is obligated to provide and abide by the warranty information presented to the customer throughout the warranty period, in accordance with these warranty terms.



More about Warranty



To process the claim and ensure quick quality service, contact the location where the original TechniStone® slab was purchased.

Provide quality photo documentation of the defects claimed.

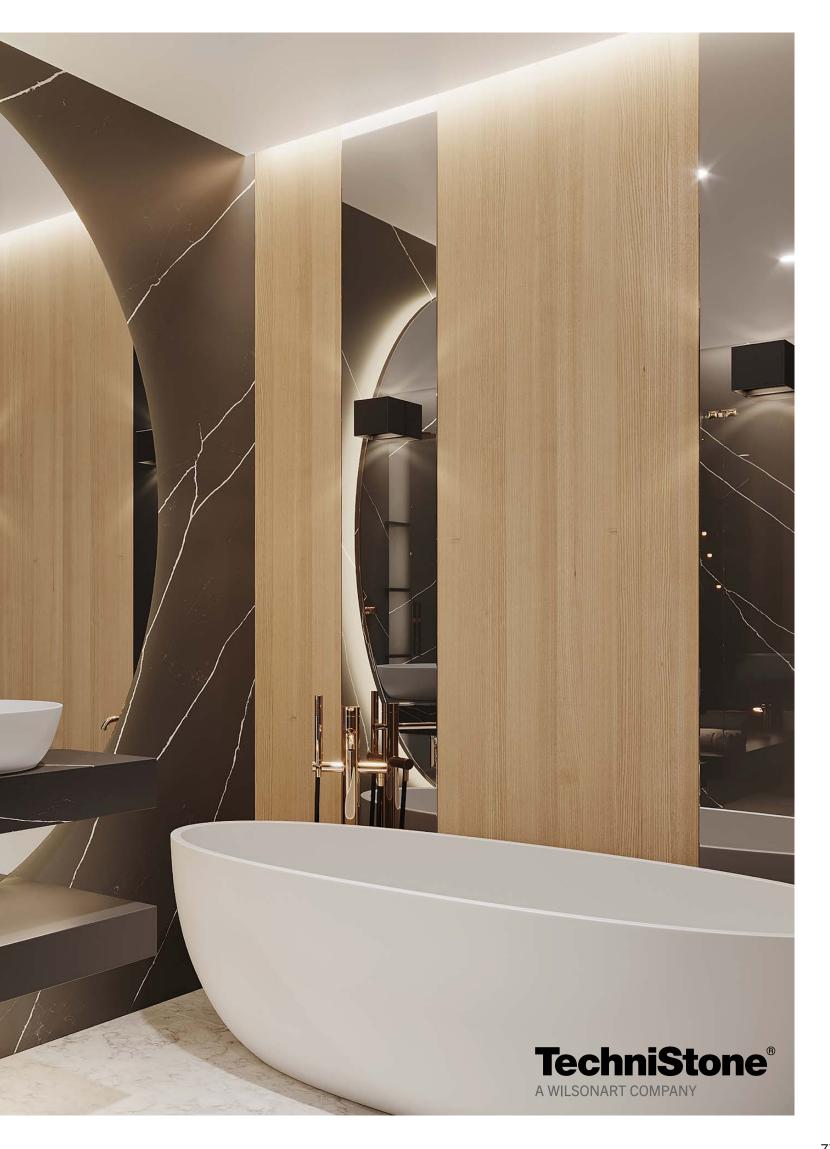
During warranty service, the product must be available to the designated Technistone representative to perform a visual inspection and the customer must follow the representative's given instructions.

In the event that a slab replacement is decided, the processing, reinstallation, and associated costs will not be covered by the warranty issued by TechniStone®.

Technistone reserves the right, in agreement with the customer, to replace the defective slab with a new color in the current product offer, which is regularly updated due to development and market requirements.









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