# TechniStone® A WILSONART COMPANY everlasting beauty



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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.

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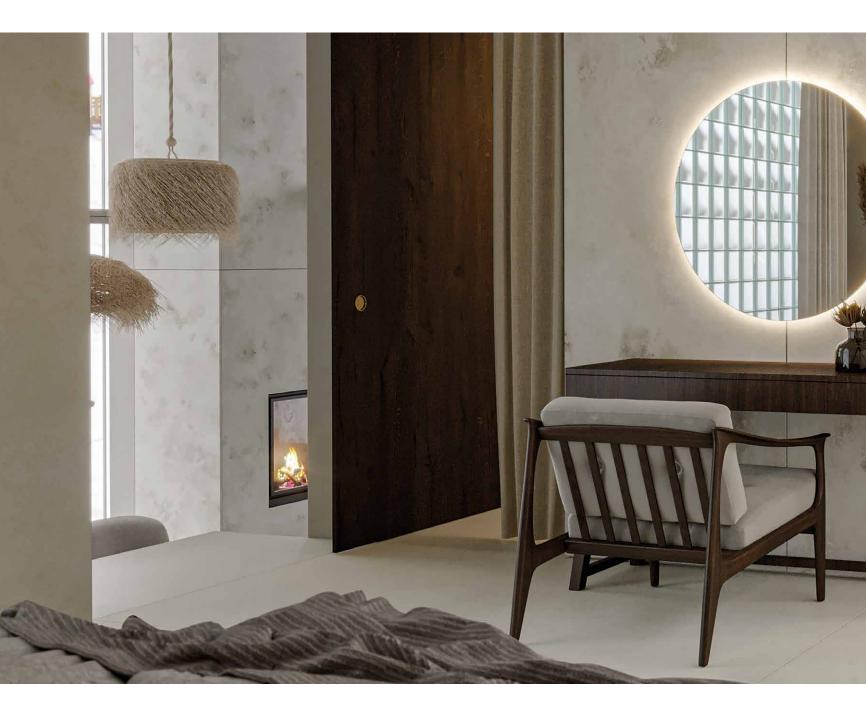
1112 TITE

TITE

allo

A touch of living perfection

### 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<sup>®</sup> 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.



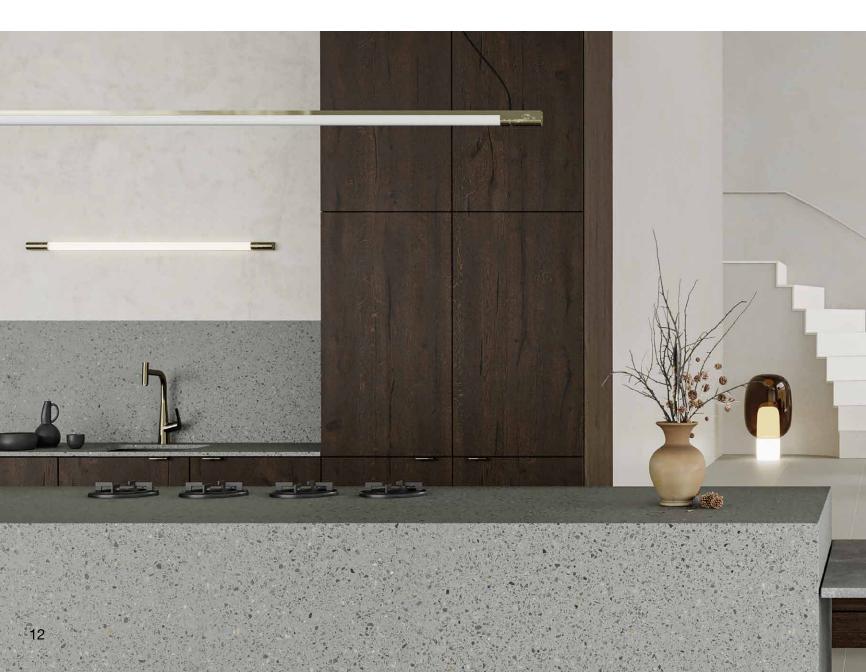
10-year warranty



Discover more

## TechniStone® Material Use

Kitchen countertops Kitchen wall cladding Bars, dinner tables Floor and stairs tiling Bathroom vanity tops Shower and bathtub cladding Wall cladding Fireplace cladding Window sills Wall decorations Washbasins\* Sinks\* \*After consultation with the fabricator.





Easy Maintenance & Cleaning



Highly Scratch Resistant



Suitable for Food Contact



Highly Stain & Natural Acid Resistant



Quartz & Natural Raw Materials



Waterproof



Long Lifetime & Durability



Highly Bacteria Resistant



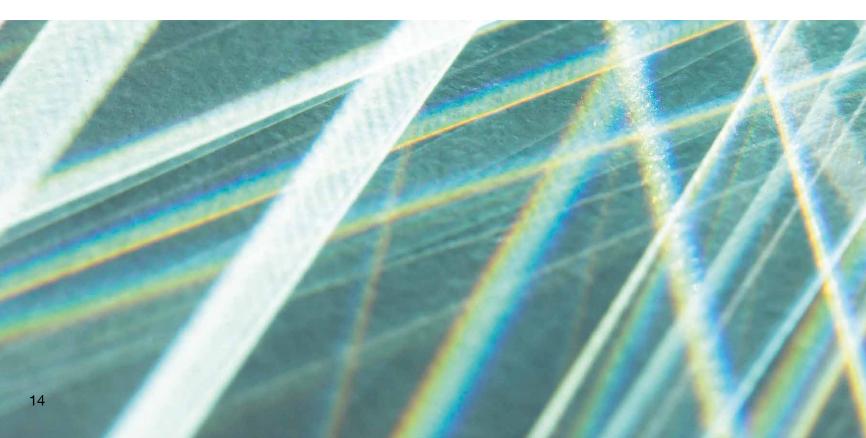
### Certification

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



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





Use the QR code for more information about the specific product, certifications may differ.





activate you

ocion

See our references



Morning Daisy NEW 2024 Polished, matt finish Jumbo 155 size (20 mm, 30 mm)



Wedding Lily Polished, matt finish Jumbo 155 size (20 mm, 30 mm)





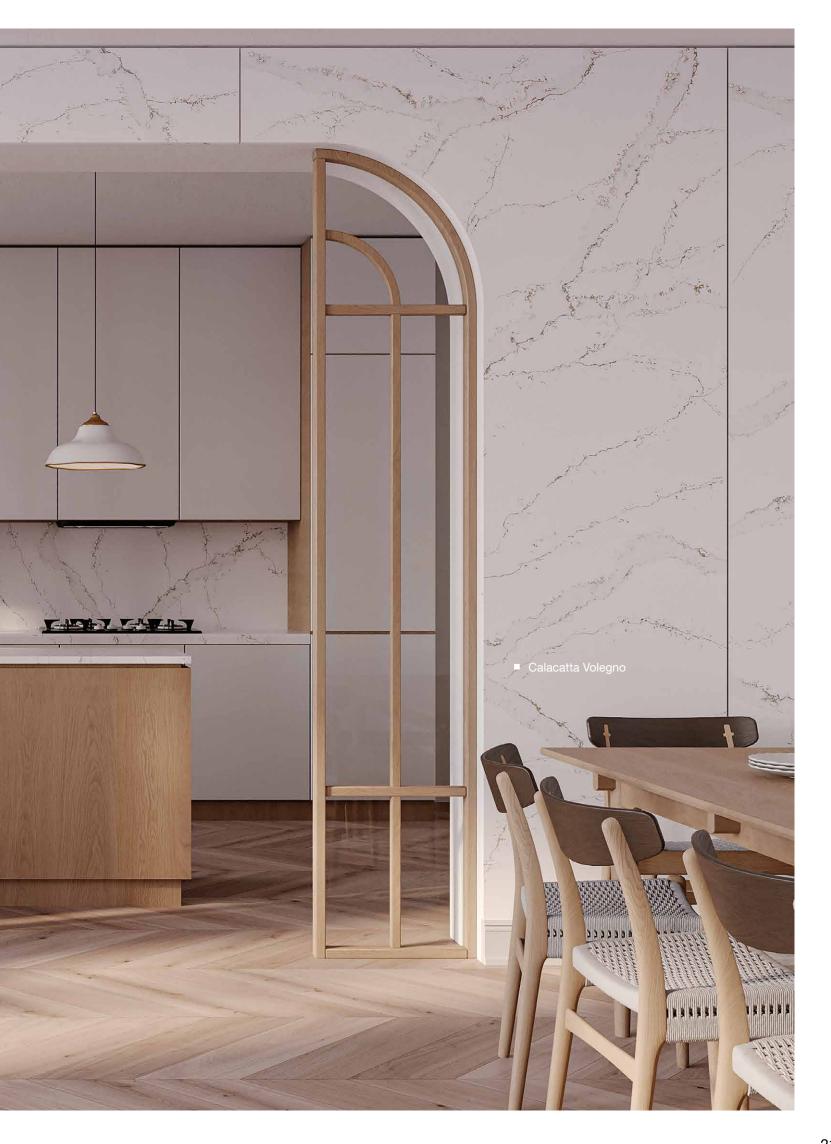
Country Rose NEW 2024 Polished finish Jumbo 155 size (20 mm, 30 mm)



Wild Yuca NEW 2024 Polished finish Jumbo 155 size (20 mm, 30 mm)









### Calacatta Volegno Polished finish Jumbo 165 size (20 mm, 30 mm)



### Calacatta Serchio Polished finish Jumbo 165 size (20 mm, 30 mm)





### Calacatta Pastino Polished finish Jumbo 165 size (20 mm, 30 mm)



### Calacatta Olympos Polished finish Jumbo 165 size (20 mm, 30 mm)





### Altamonte Polished finish Jumbo 165 size (20 mm, 30 mm)



Verde Peak Polished finish Jumbo 165 size (20 mm, 30 mm)





### Glencoe

Polished finish Jumbo 165 size (20 mm, 30 mm)



Bronze Coast Polished finish Jumbo 165 size (20 mm, 30 mm)





#### Mystery White Polished finish Jumbo 160 size (20 mm, 30 mm)



Romano Ricco Polished finish Jumbo 160 size (20 mm, 30 mm)





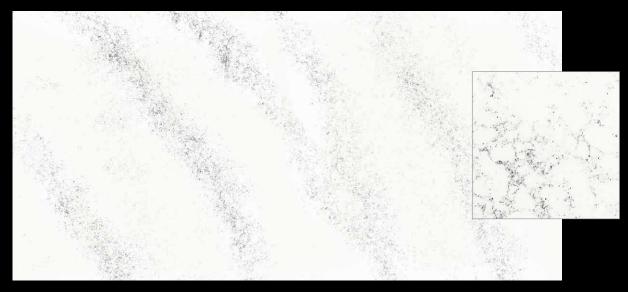
#### Crystal Calacatta Silva Polished finish Jumbo 160 size (20 mm, 30 mm)



Imagine Grey Polished, Matt finish Jumbo 160 size (20 mm, 30 mm)







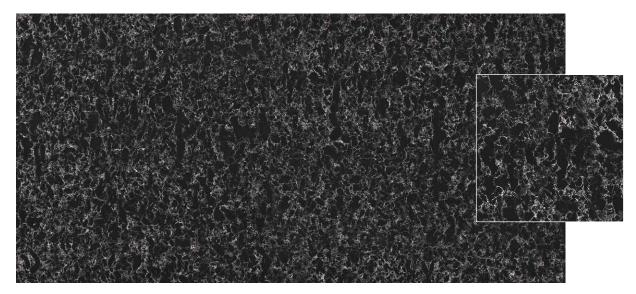
Pearl Alba Polished, Matt finish Jumbo 155 size Thickness Polished 20, 30 mm



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



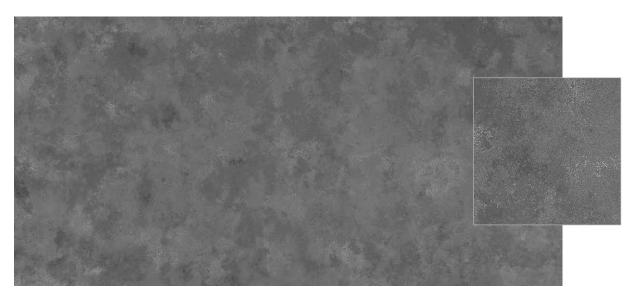
Pearl Lava – available only on request Polished finish Jumbo 155 size (20 mm, 30 mm) 40% content of recycled raw materials



Pearl Rocca – available only on request Polished finish Jumbo 155 size (20 mm, 30 mm) 40% content of recycled raw materials



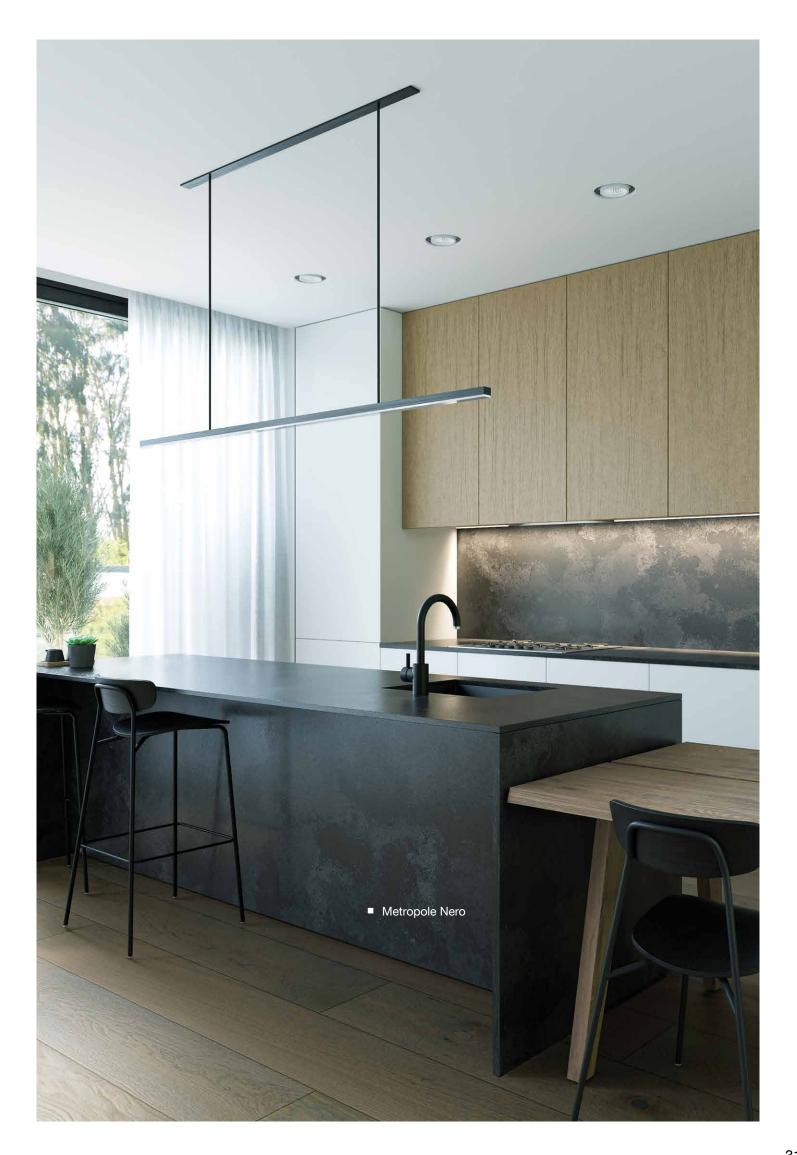
Ambiente Light Terra finish Jumbo 160 size (20 mm, 30 mm)



Residente Dark Terra finish Jumbo 160 size (20 mm)



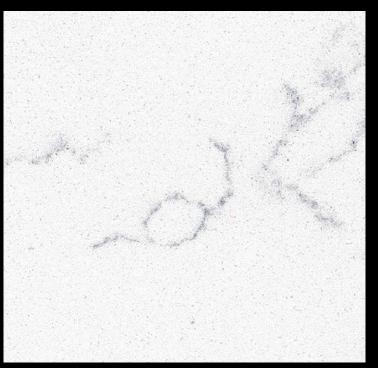
Metropole Nero Matt finish Jumbo 160 size (20 mm)













Noble Areti Bianco

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

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



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



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

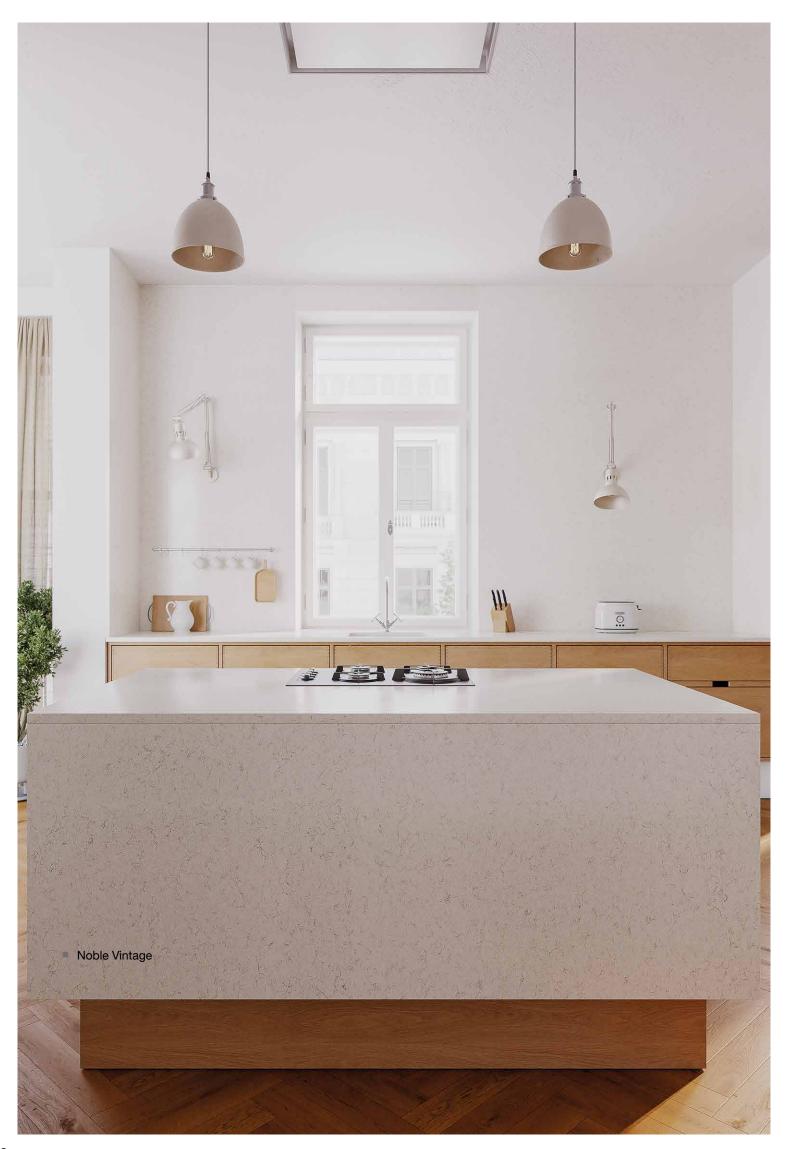


**Noble Quartzite** Polished, Matt finish Jumbo 155 size (20 mm, 30 mm)



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







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



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



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



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



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



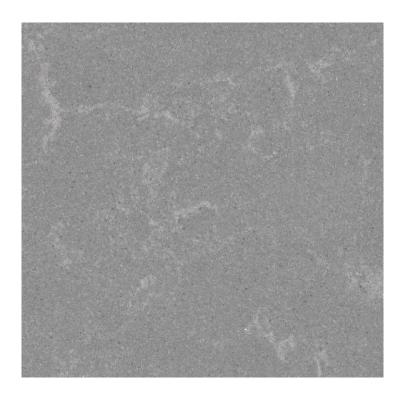
Noble Botticino Polished finish Jumbo 155 size (20 mm)



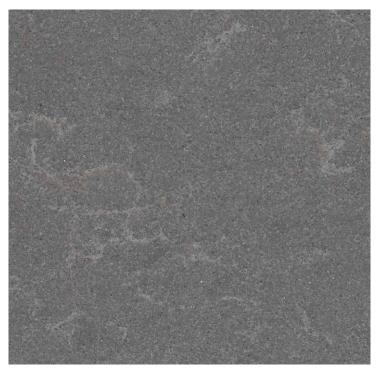
**Noble Troya** Polished finish Jumbo 155 size (20 mm)



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

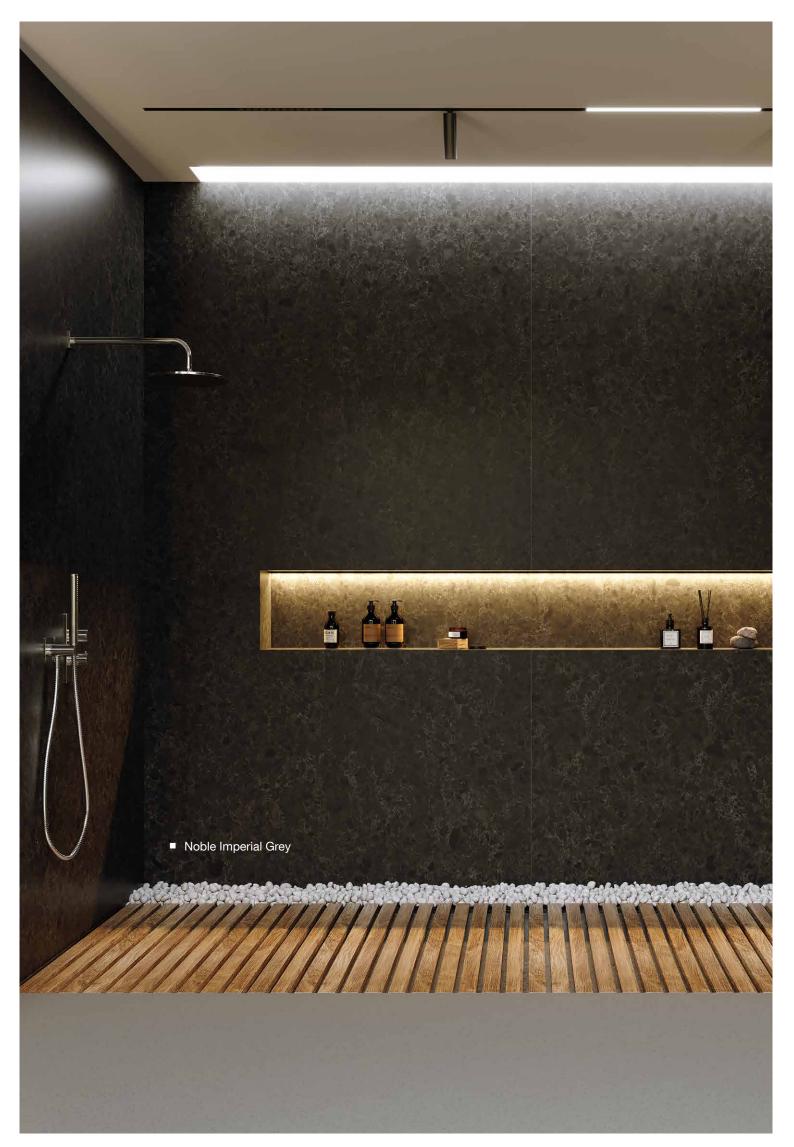


Noble Pro Cloud Polished finish Jumbo 155 size (20 mm, 30 mm)



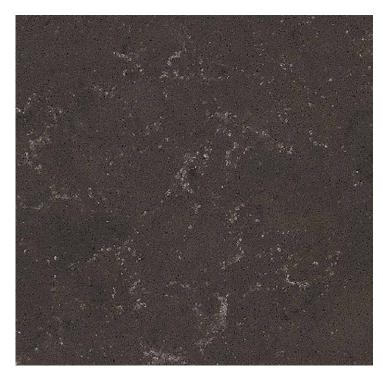
Noble Pro Storm Polished finish Jumbo 155 size (12 mm, 20 mm, 30 mm)









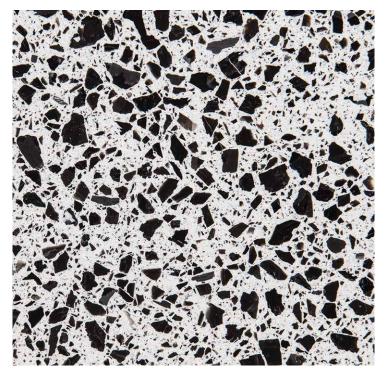




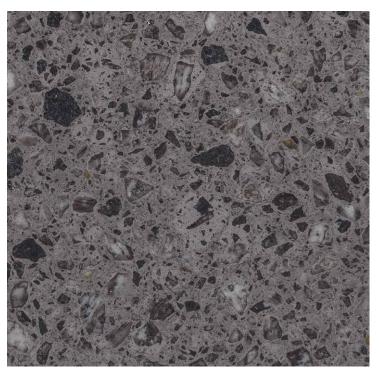
**Noble Pietra Grey** 

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

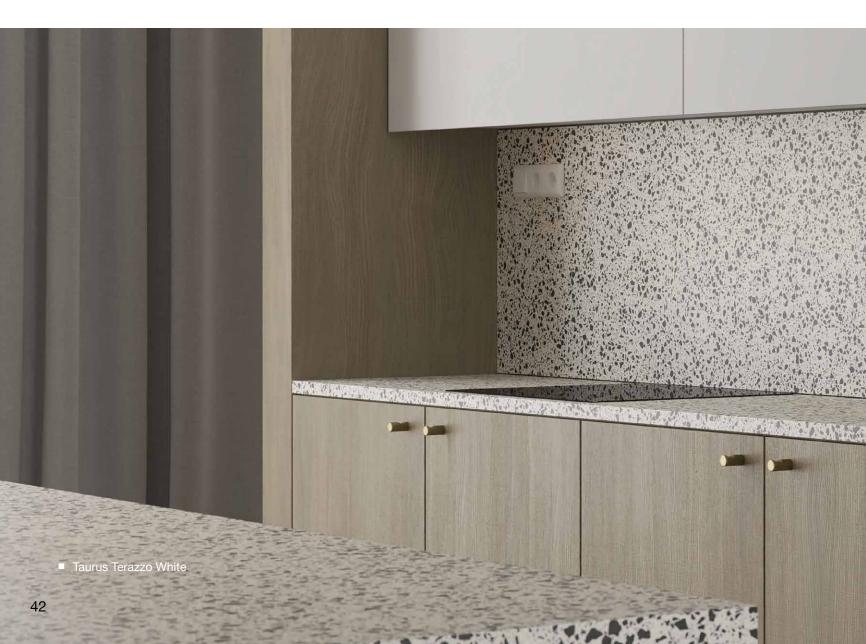
Noble Imperial Grey Polished finish Jumbo 155 size (20 mm, 30 mm)



**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 mm, 20 mm)



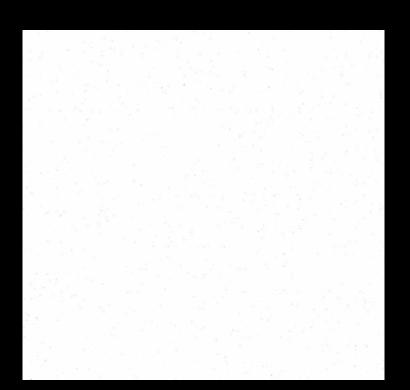


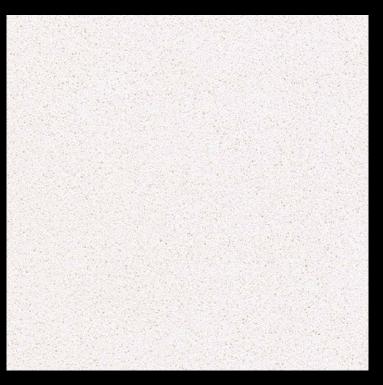
**Taurus Terazzo Black** Polished, Matt finish Jumbo 155 size (12, 20 mm) 20% content of recycled raw materials



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









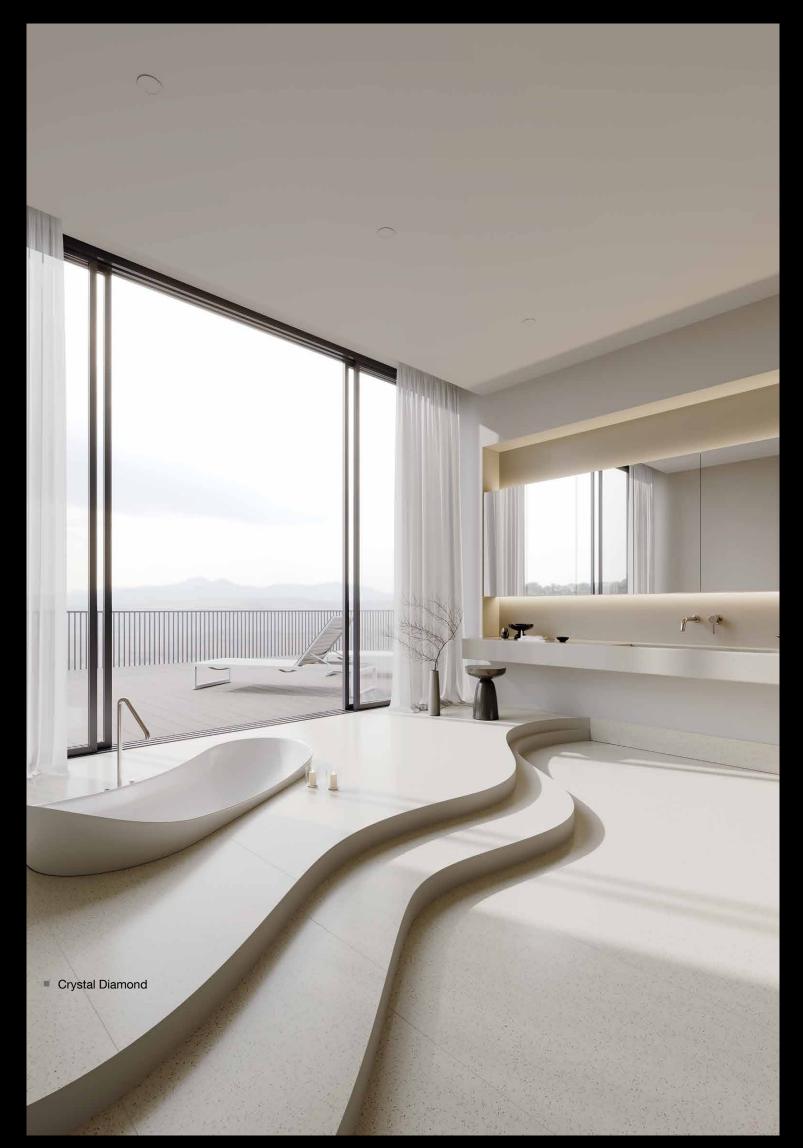
## **Crystal Absolute White**

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

### **Crystal Polar White**

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

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





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



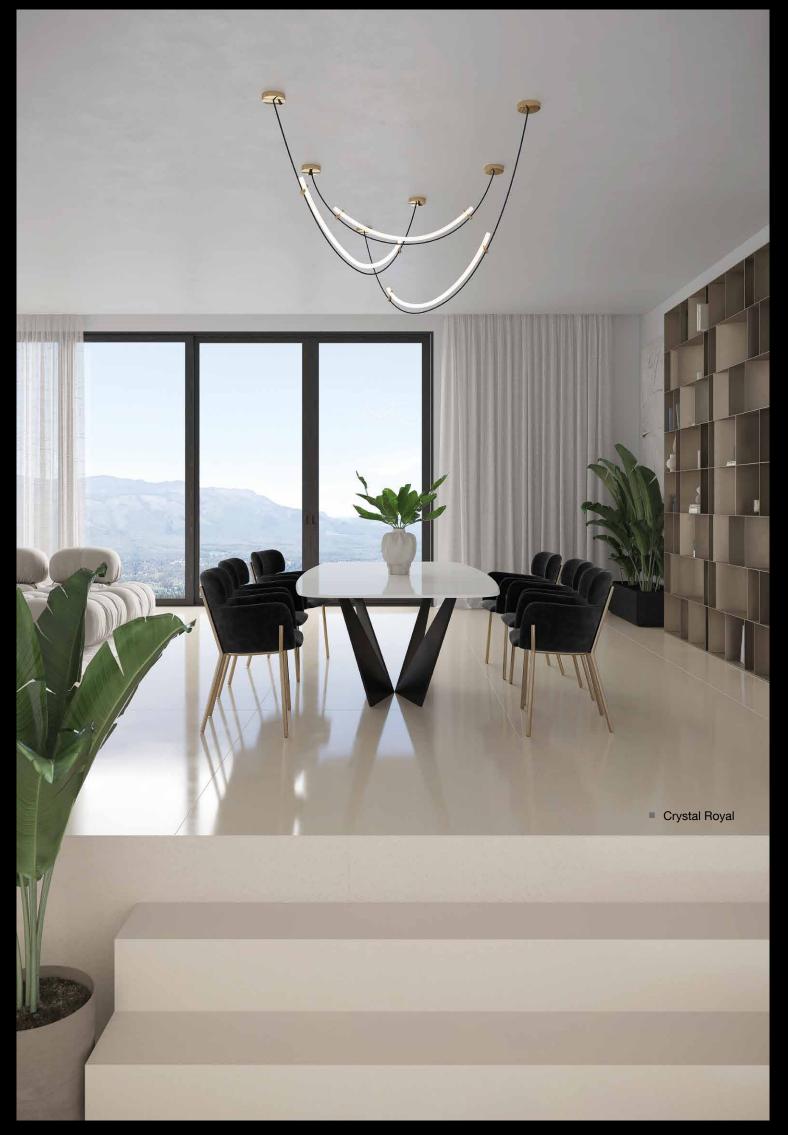
Brilliant White Polished finish Jumbo 155 size (20 mm, 30 mm) 30% content of recycled raw materials



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



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



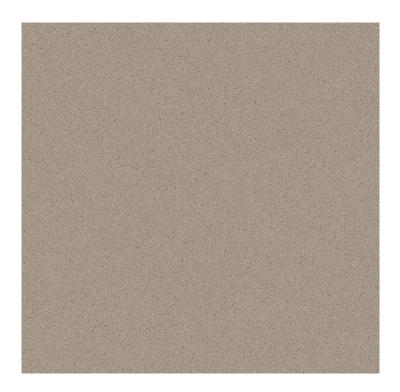


Brilliant Arabesco Polished finish Jumbo 155 size (20 mm, 30 mm) 30% content of recycled raw materials



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







Harmonia Navajo Polished finish Jumbo 155 size (20 mm, 30 mm)



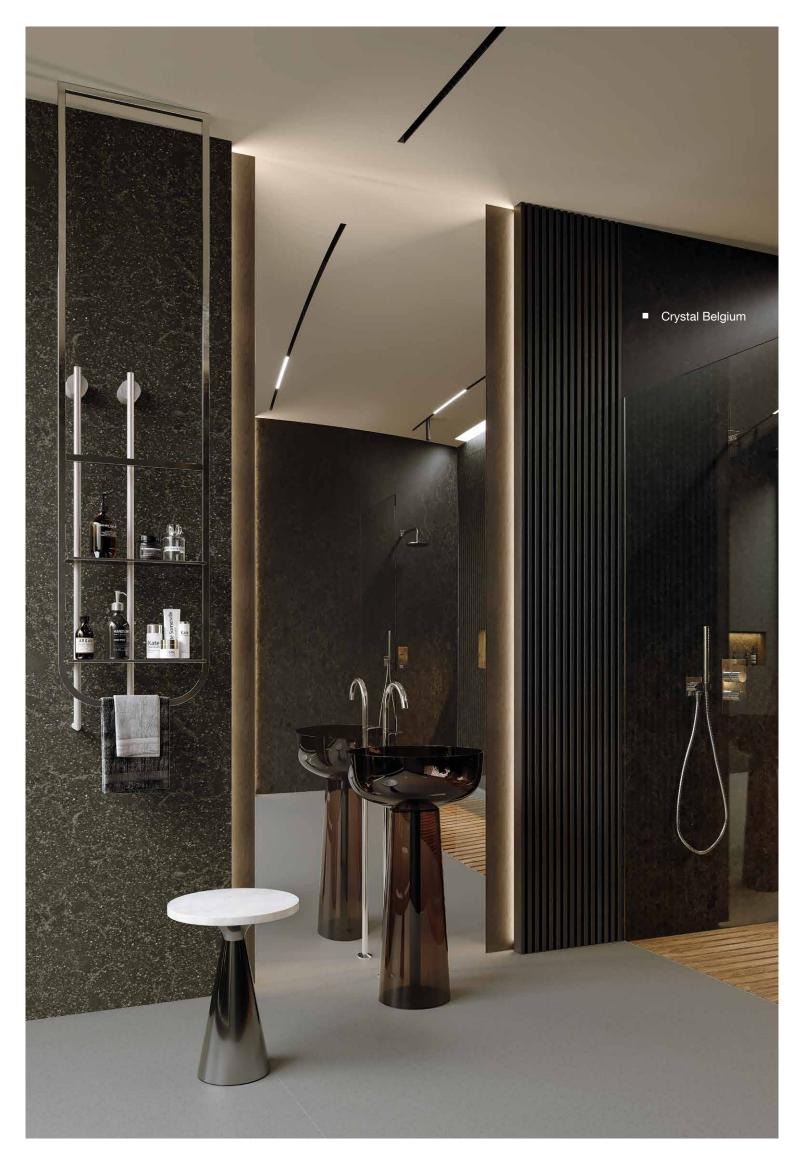


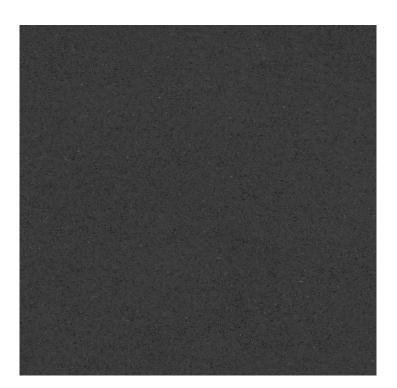
Gobi Urban Polished, Matt finish Jumbo 155 size (20 mm, 30 mm)

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





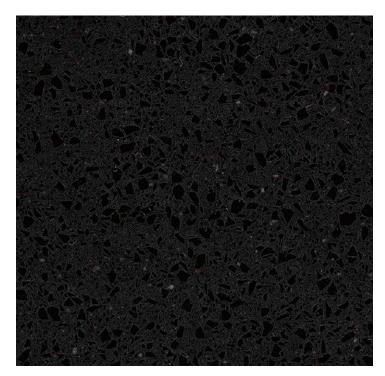




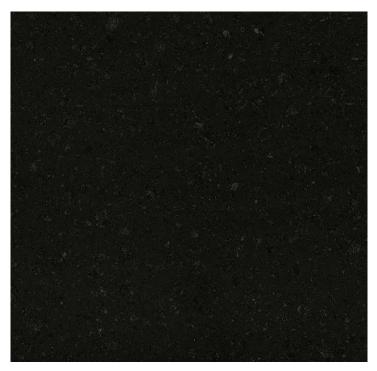


# **Crystal Anthracite Pure** Polished finish Jumbo 155 size (20 mm, 30 mm)

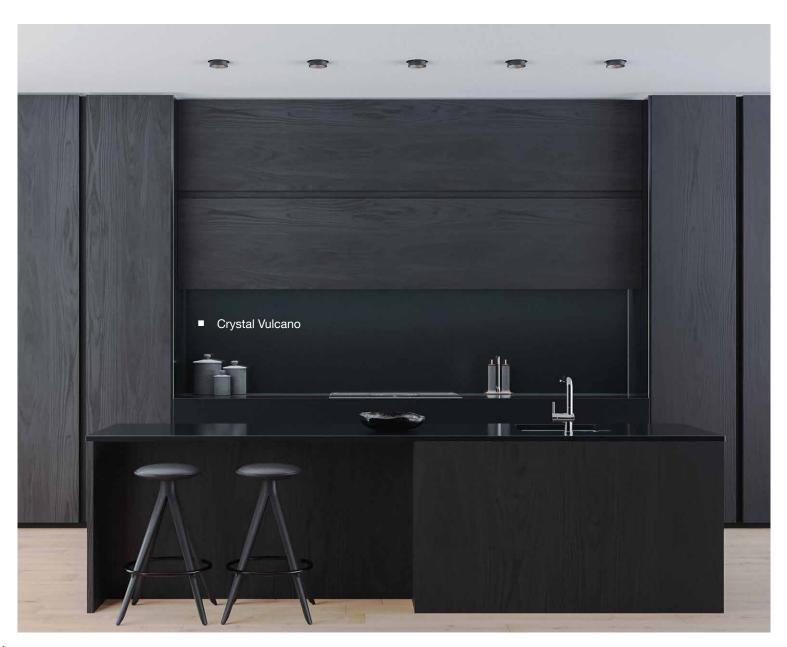
# **Crystal Belgium** Polished, Matt finish Jumbo 155 size (12 mm, 20 mm)



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



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

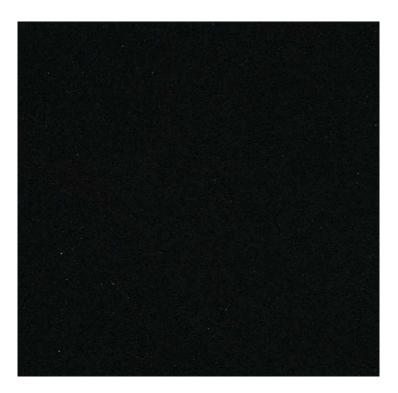




## **Brilliant Black**

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



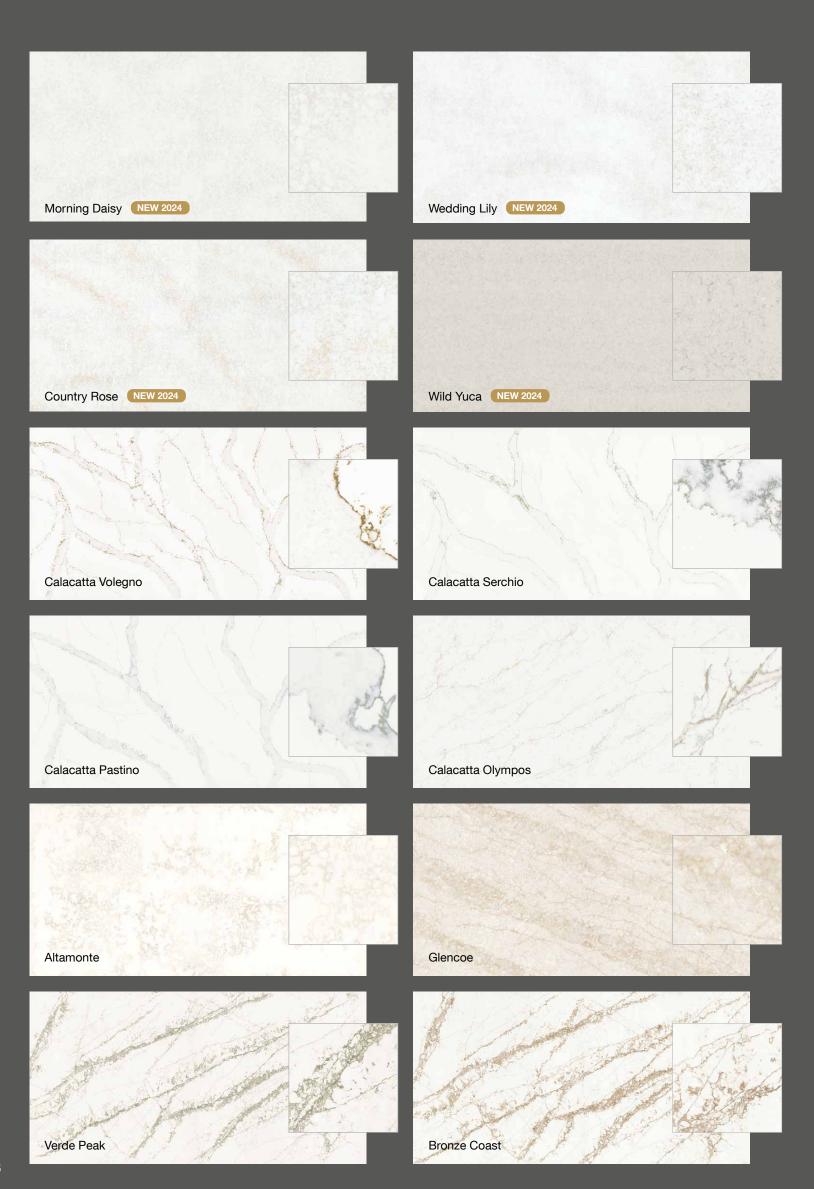


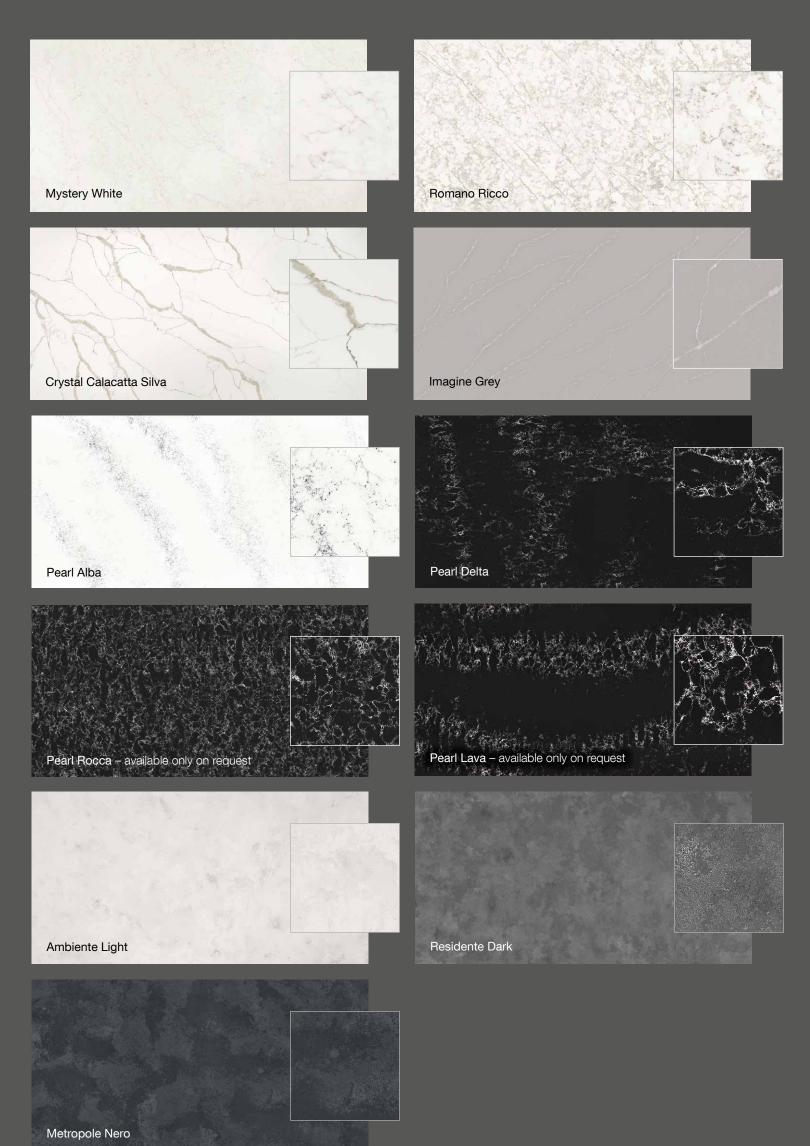
**Starlight Black** Polished finish Jumbo 155 size (12 mm, 20 mm, 30 mm) Tiles 70% content of recycled raw materials

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

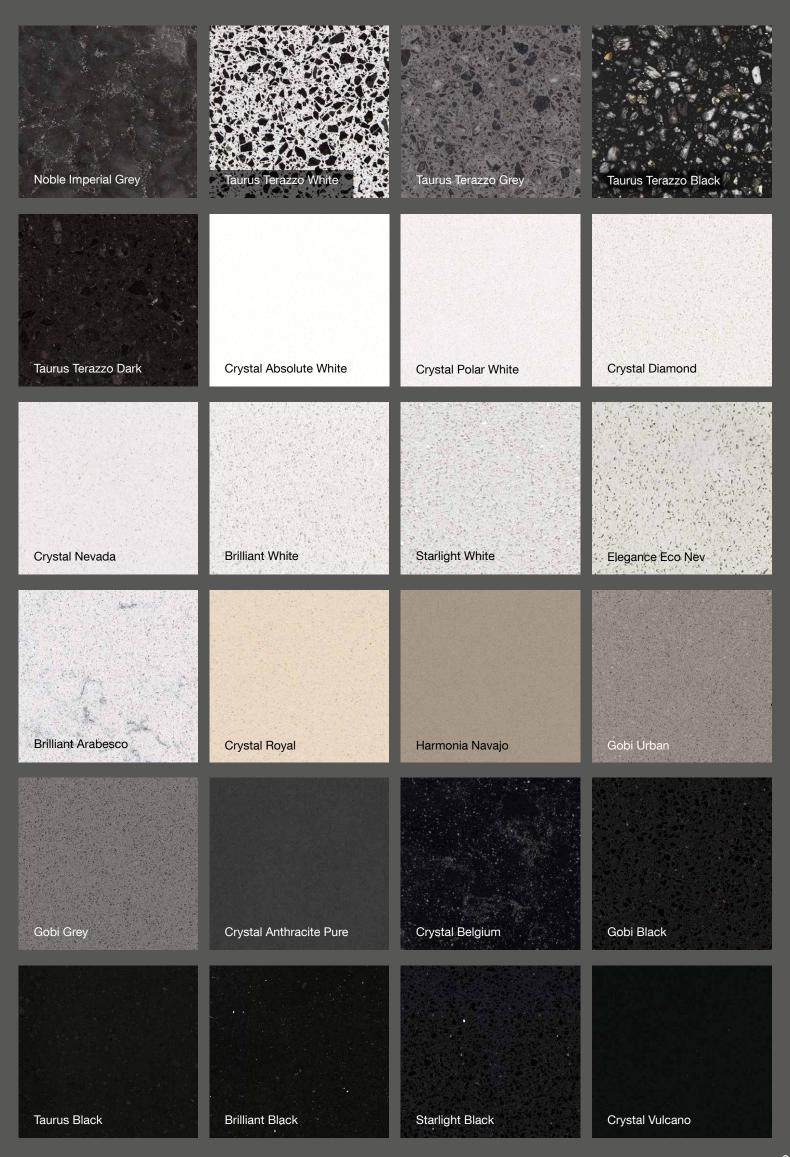












# Technical Information





# Dimensions

#### SLABS THICKNESS AND WEIGHT

SLAB THICKNESS	WEIGHT 1 m <sup>2</sup>	WEIGHT OF THE SLAB
Jumbo 155 size: 12 mm	30 kg	147 kg
Jumbo 155 size: 20 mm	50 kg	245 kg
Jumbo 155 size: 30 mm	74 kg	367 kg
Jumbo 160 size: 20 mm	50 kg	254 kg
Jumbo 160 size: 30 mm	74 kg	381 kg
Jumbo 165 size: 20 mm	49 kg	268 kg
Jumbo 165 size: 30 mm	74 kg	402 kg

#### SLAB DIMENSIONS

	JUMBO 155	JUMBO 160	JUMBO 165
Usable area	3185 mm × 1550 mm	3200 mm × 1600 mm	3300 mm × 1650 mm
Usable area in m <sup>2</sup>	4.94 m <sup>2</sup>	5.12 m <sup>2</sup>	5.45 m <sup>2</sup>

#### TILES DIMENSIONS

FORMAT	THICKNESS
300 mm × 300 mm	12 mm
600 mm × 300 mm	10 mm
600 mm × 600 mm	



# Trimming of Slabs

#### TRIMMING OF EDGES



2. One-sided arched edge





3. Double-sided arched edge

4. Special profiles

#### GLUING OF EDGES

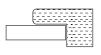




45° (glued to the miter)

Standard (butt glued)

#### INSERTION OF COOKING WORKTOP





Upper drilling

Plane drilling

#### INSERTION OF SINK



Upper drilling

GLUING OF SINK

Standard

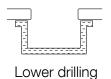
(butt glued)

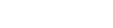


Plane drilling

45° (glued

to the miter)







45° (glued to the miter with sufficient storage space)





Drip area with drip grooves



Drip area without drip grooves



Drip grooves (arched edge of sink)



Drip area without drip grooves (arched edge of sink)

# 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

CONTACT WITH FOOD		HEALTH SAFETY		
SOURCE	ALL PRODUCTS TECHNISTONE®*	SOURCE	ALL PRODUCTS TECHNISTONE®*	
NSF USA Food equipment materials – Food / Splash zone			The product complies with the criteria stipulated in the Standard	
National Institute of Public Health Czech Republic	National Institute of Public application according	GREENGUARD	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	

\* Applicable to selected products.

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

PRODUCTION GROUP	BULK DENSITY (g/cm <sup>3</sup> )		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 $\geq$ 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.

PRODUCTION GROUP	THERMAL EXPANSION coefficient a (30 ° TO 60 °C) (10 °/°C)	THERMAL EXPANSION coefficient α (20 ° to 130 °C) (10 °/°C)	FROST RESISTANCE COEFFICIENT (AVERAGE) -	ABRASION RESISTANCE (AVERAGE) (mm <sup>3</sup> )
Sand	21.8	30.0	90 - 110	6840
Granite	13.4	17.3	90 - 110	8125
Mirrors	17.5	22.7	90 - 110	7900
Crystal	17.5 - 34.6	22.7 - 40.2	90 - 110	6700
Implementing standard	EN 14617-11	EN 14617-11	EN 14617-5	EN 4157 (B)
Determined	TZÚS Plzeň	TZÚS Plzeň	Stone and Gravel Test Laboratory. Hořice	Stone and Gravel Test Laboratory. Hořice







# 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<sup>®</sup> 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
Bellinzoni	B- REFRESH TOP
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
Bellinzoni	B-LEM 3 EXXTRA
HG	HG streak free
Lasselsberger / Rako	CL 803, CL 804
Lihofin	MN Easy-Care Cleaner

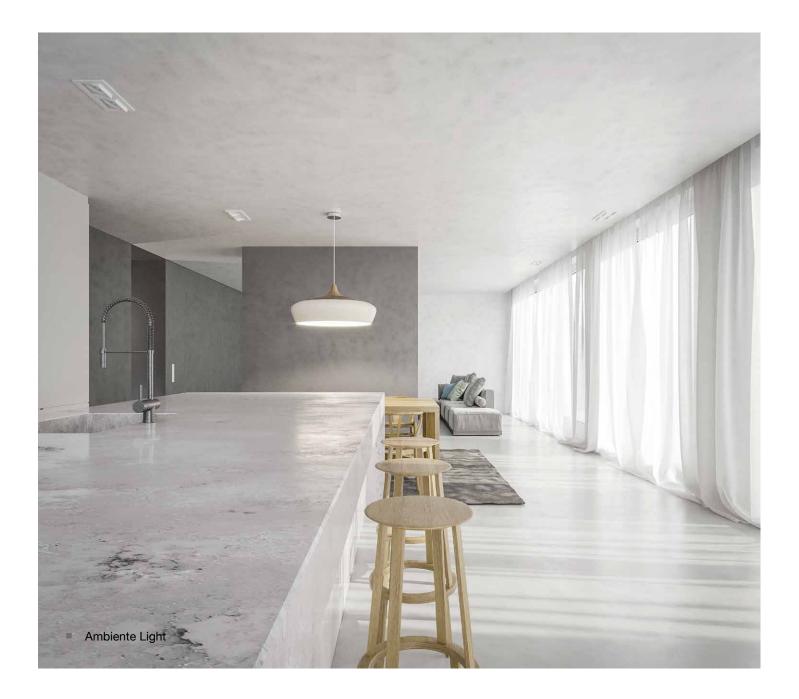
### **Special Products**

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
0	Akemi	Stone Cleaner
Grease	HG International	HG oil & grease absorber, HG grease away
	Bellinzoni	B-SPOT REMOVER
	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	B-27 EXXTRA B-27
	Bellinzoni	B-RUST REMOVER
Duet	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
Resistant stains	Lithofin	MN Power-clean, Composite cleaner PRO
	Akemi	Quartz Intensive cleaner
	HG International	HG spot stain remover, HG marble stain color remover
	Bellinzoni	B-SUPER CLEANER
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 Idea HP



# Warranty

### Validity

Technistone offers a **ten-year** warranty on material used in an interior. This warranty does not cover material used in commercial premises, for which there is a five-year warranty.

The **five-year** warranty covers slabs installed in areas accessible to the public, beginning with the date of installation.

The Technistone company offers a two-year warranty on floor tiles.

The warranty must be activated by registering your TechniStone<sup>®</sup> product on the company's website under the section "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.

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<sup>®</sup> 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<sup>®</sup>.

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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