

**TechniStone<sup>®</sup>**  
A WILSONART COMPANY



**everlasting beauty**





5	Company
7	Product
11	Color Range
56	Product Overview
59	Technical Information
61	Dimensions
63	Finishes
65	Physical-mechanical Characteristics
67	Cleaning & Maintenance
71	Guarantee

# CONTENTS



**TechniStone<sup>®</sup>**



## Synergy between nature, human skill and technology

Human skill and self-realization are the riches of an individual, while communication and mutual loyalty are assets of a team. Only professionals can grow, and only industry leaders set the pace.

Technistone is a European manufacturer of premium quality quartz, with a timeless design, outstanding performance and wide variability in use. In 2019 Technistone became a part of the American company Wilsonart® Engineered Surfaces.

Technistone ranks among the world's most innovative companies in the field of hardened stone production. With its own research and development department, has proven success with more than 25 years of experience. With a current monthly production capacity in excess of 70,000 m<sup>2</sup>, almost 97 % of production is exported to dozens of countries worldwide through an extensive distribution network and local branches.

COMPANY



**TechniStone®**



TechniStone® is made from natural materials (quartz and granite) and a high-quality binding agent, supplemented with coloured pigments and glass or mirror granules. In the form of highly durable large-size boards, hardened stone is widely used in the private, public and industrial sectors.

Natural resources which meet strict standards, thorough input and output control, a company's own know-how and tailor-made original technology are prerequisites for top quality, success and customer satisfaction.

# PRODUCT

## VARIOUS USAGE OF TECHNISTONE MATERIAL

Kitchen countertops  
Kitchen wall tiling  
Bars, dinner tables  
Floor tiling, stairs  
Fireplace tiling, window sills  
Interior decoration, sinks\*  
Bathroom tops  
Wall tiling  
Shower cubicle tiling  
Bathtub tiling  
Wall decorations  
Washbasins\*  
Bathroom wall tiling

\*After consultation with the processor.

## CHARACTERISTICS

Highly Scratch Resistant  
Highly Stain & Natural Acid Resistant  
Highly Bacterial Resistant  
Suitable for food contact  
Quartz & Natural Raw Materials  
Waterproof  
Easy Maintenance and Cleaning  
Color Uniformity & Stability  
Unique Design  
Long Lifetime & Durability  
Wide Range of Shades & Finishes  
Wide Range of Product Applications



NKBA

breton





**TechniStone®**





# COLOR RANGE



TREND COLLECTION  
Noble Concrete Grey matt

Matt surface  
Jumbo 155 size



TREND COLLECTION

Gobi Urban matt

Matt surface  
Jumbo 155 size



TREND COLLECTION

Ambiente Light

Terra surface  
Jumbo 160 size

TREND COLLECTION

Residente Dark

Terra surface  
Jumbo 160 size





Crystal Calacatta Silva

Polished surface  
Jumbo 160 size



Crystal Calacatta Amnis

Polished surface  
Jumbo 160 size



Mystery White

Polished surface  
Jumbo 160 size



Fantasy Grey

Polished surface  
Jumbo 160 size



Poetic Black

Matt surface  
Jumbo 160 size



Noble Areti Bianco

Polished surface  
Standard size



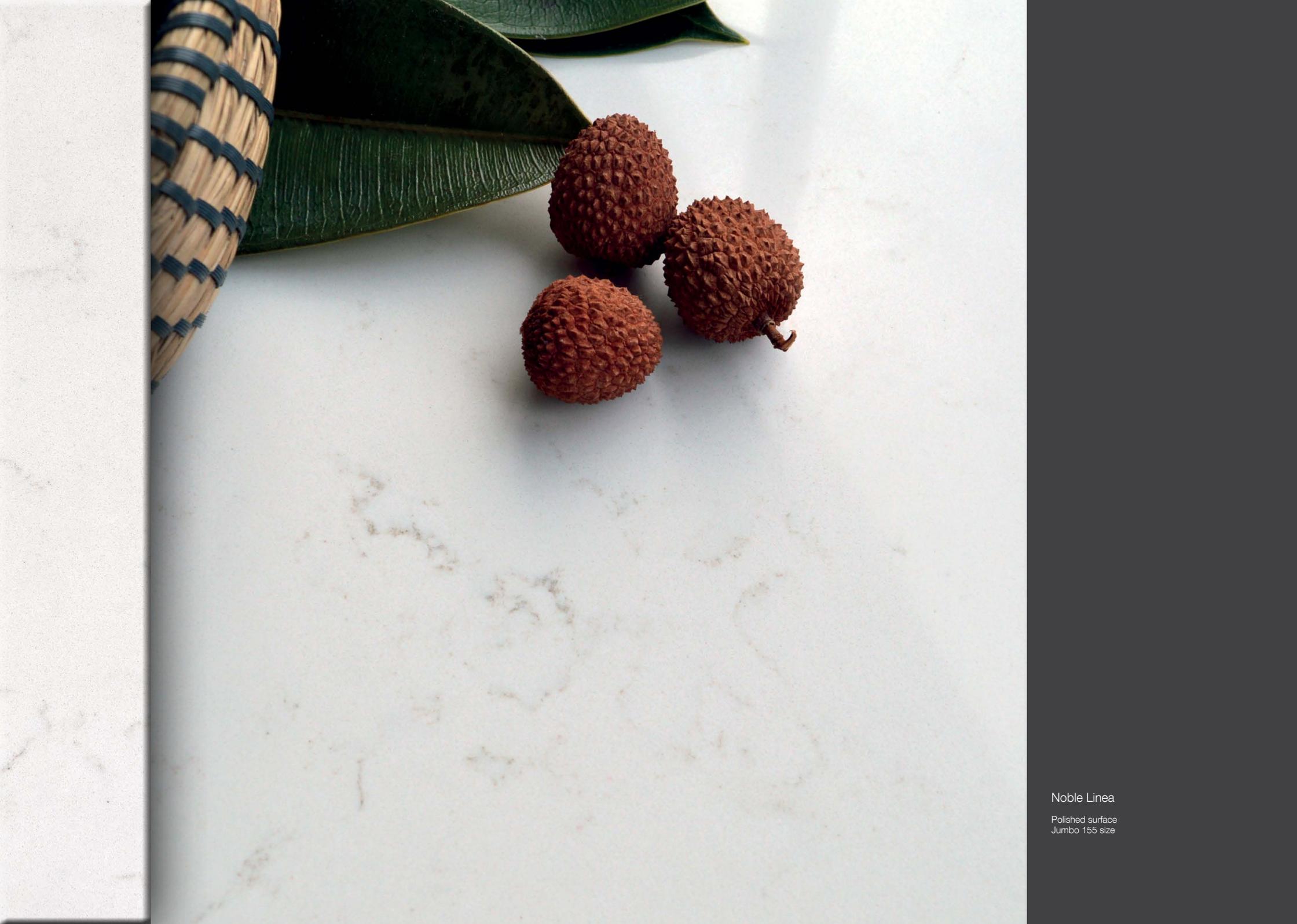
Noble Supreme White

Polished surface  
Standard, Jumbo 155 size



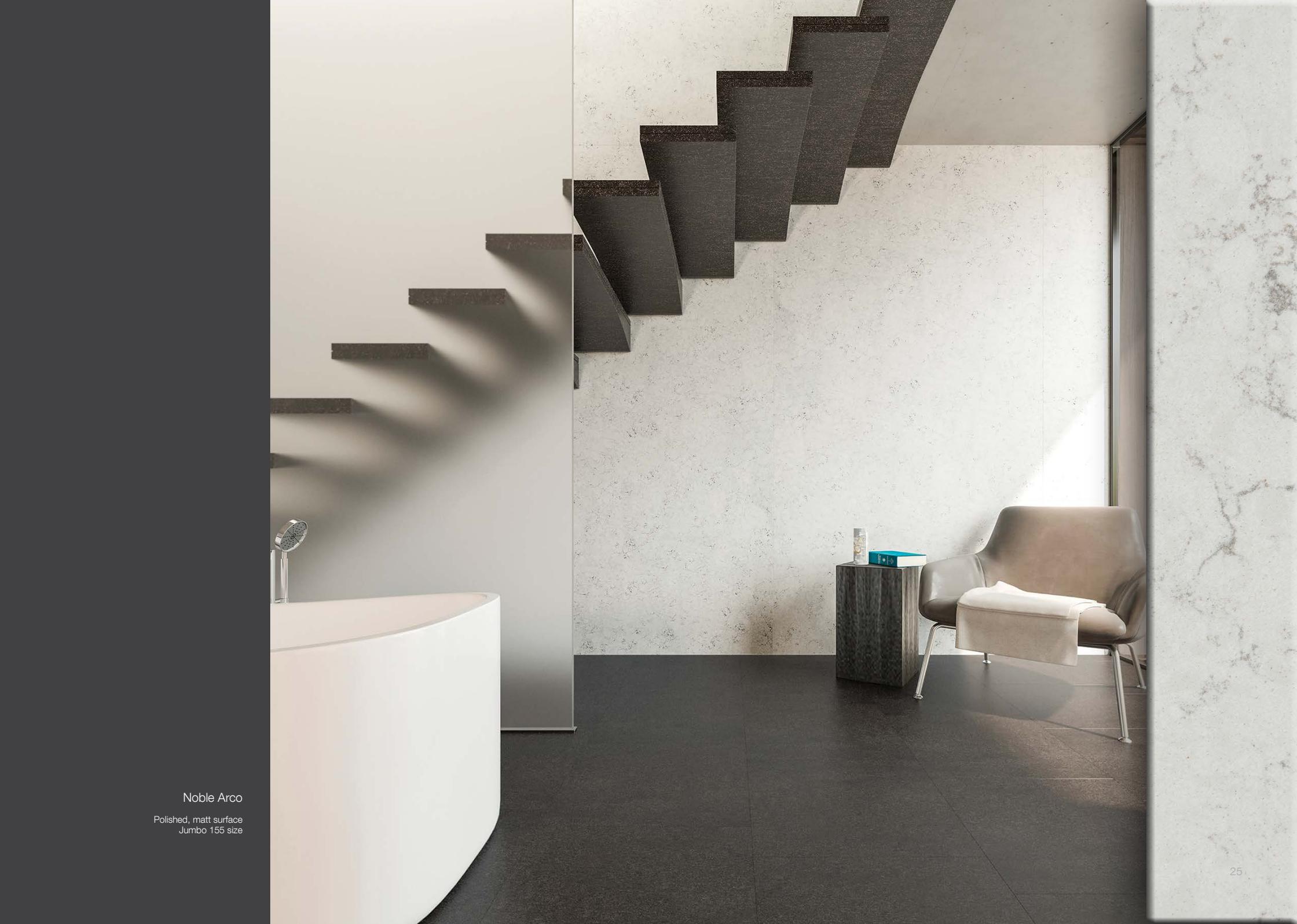
Noble Pro Frost

Polished surface  
Standard size



Noble Linea

Polished surface  
Jumbo 155 size



Noble Arco

Polished, matt surface  
Jumbo 155 size



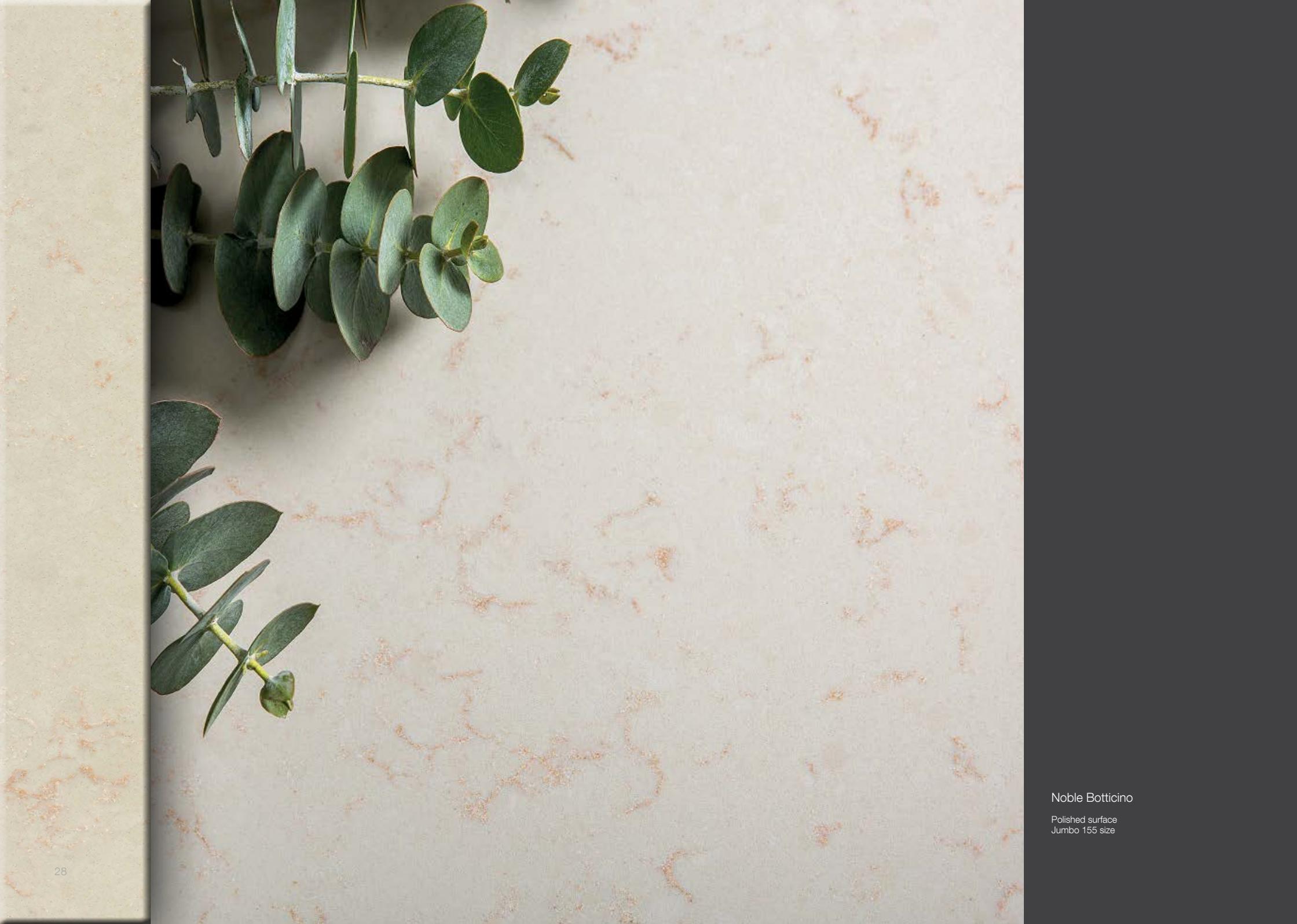
Noble Carrara

Polished surface  
Jumbo 155 size



Noble Olympos Mist

Polished surface  
Jumbo 155 size



Noble Botticino

Polished surface  
Jumbo 155 size



Noble Calista

Polished surface  
Jumbo 155 size



INDUCTION

Noble Ivory White

Polished surface  
Jumbo 155 size



Noble Perlato Luna

Polished surface  
Jumbo 155 size



Noble Troya

Polished surface  
Jumbo 155 size



Noble Concrete Grey

Polished, matt, rained surface  
Jumbo 155 size



Noble Pro Cloud

Polished surface  
Standard size



Noble Desiree Grey

Polished surface  
Jumbo 155 size



Noble Pro Storm

Polished surface  
Standard size

Noble Athos Brown

Polished surface  
Jumbo 155 size



Noble Pietra Grey

Polished surface  
Jumbo 155 size



Noble Imperial Grey

Polished, rained surface  
Jumbo 155 size



Taurus Terazzo White

Polished, matt surface  
Standard size  
40% content of recycled raw materials



Taurus Terazzo Grey

Polished, matt surface  
Standard size



Taurus Terazzo Black

Polished, matt surface  
Standard size  
20% content of recycled raw materials



Taurus Terazzo Dark  
Polished, matt surface  
Standard size  
40% content of recycled raw materials



Crystal Absolute White

Polished, matt surface  
Standard size, Jumbo 155



Crystal Polar White

Polished surface  
Standard size



Crystal Diamond  
Polished surface  
Standard size



Crystal Nevada  
Polished surface  
Standard size





Crystal Quartz White

Polished surface  
Standard size



Crystal Royal

Polished surface  
Standard size



Elegance Eco Nev

Polished surface  
Standard size  
30% content of recycled raw materials



Elegance Eco Zen

Polished surface  
Standard size  
30% content of recycled raw materials



Elegance Eco Ash

Polished surface  
Standard size  
30% content of recycled raw materials



Gobi Urban

Polished, Matt surface  
Jumbo 155 size



Gobi Grey  
Polished surface  
Standard size



Crystal Anthracite Pure  
Polished surface  
Standard size



Gobi Black

Polished surface  
Standard size  
20% content of recycled raw materials



Crystal Belgium

Polished, matt surface  
Jumbo 155 size



Taurus Black

Polished surface  
Standard size  
40% content of recycled raw materials



Brilliant White

Polished surface  
Standard size  
20% content of recycled raw materials



### Brilliant Arabesco

Polished surface  
Standard size  
20% content of recycled raw materials



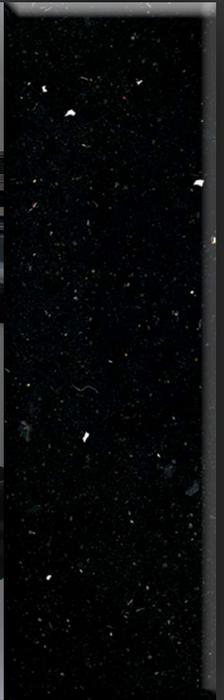
### Starlight White

Polished surface  
Standard size  
40% content of recycled raw materials



Brilliant Black

Polished surface  
Standard size  
30% content of recycled raw materials



Starlight Black

Polished surface  
Standard size  
Tiles  
70% content of recycled raw materials





Harmonia Yosemite

Polished surface  
Standard size



Harmonia Altay

Polished surface  
Standard size

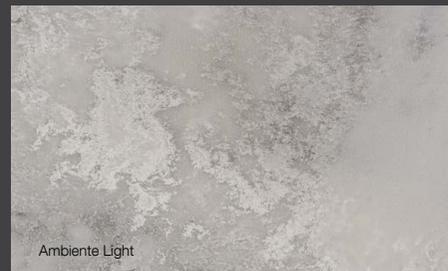
# PRODUCT OVERVIEW



Noble Concrete Grey matt



Gobi Urban matt



Ambiente Light



Residente Dark



Crystal Calacatta Silva



Crystal Calacatta Amnis



Mystery White



Fantasy Grey



Poetic Black



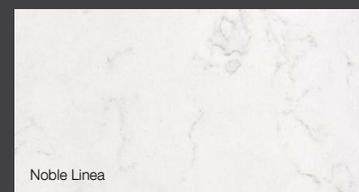
Noble Areti Bianco



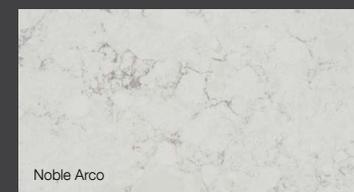
Noble Supreme White



Noble Pro Frost



Noble Linea



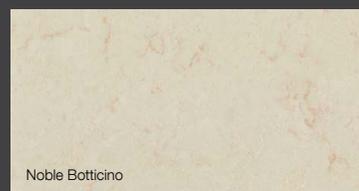
Noble Arco



Noble Carrara



Noble Olympos Mist



Noble Botticino



Noble Calista



Noble Ivory White



Noble Perlato Luna



Noble Troya



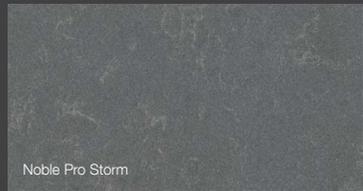
Noble Concrete Grey



Noble Pro Cloud



Noble Desiree Grey



Noble Pro Storm



Noble Athos Brown



Noble Pietra Grey



Noble Imperial Grey



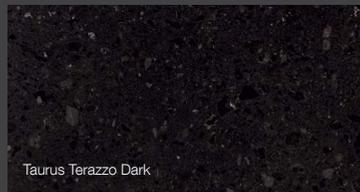
Taurus Terazzo White



Taurus Terazzo Grey



Taurus Terazzo Black



Taurus Terazzo Dark



Crystal Absolute White



Crystal Polar White



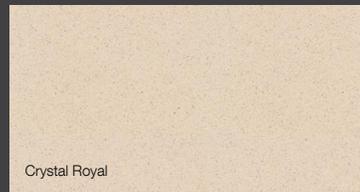
Crystal Diamond



Crystal Nevada



Crystal Quartz White



Crystal Royal



Elegance Eco Nev



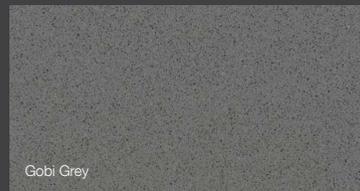
Elegance Eco Zen



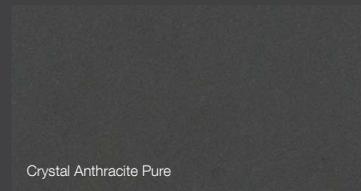
Elegance Eco Ash



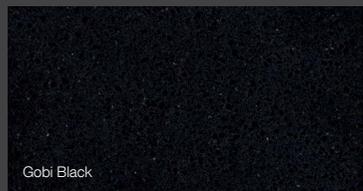
Gobi Urban



Gobi Grey



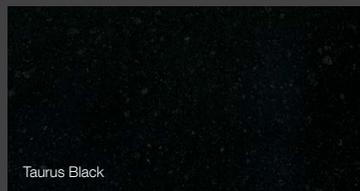
Crystal Anthracite Pure



Gobi Black



Crystal Belgium



Taurus Black



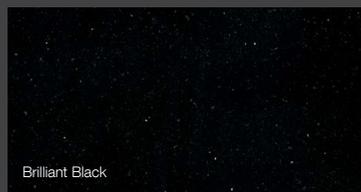
Brilliant White



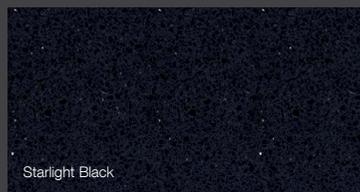
Brilliant Arabesco



Starlight White



Brilliant Black



Starlight Black



Harmonia Yosemite



Harmonia Altay



**TechniStone<sup>®</sup>**



# TECHNICAL INFORMATION

## SLABS THICKNESS & WEIGHT

SLAB THICKNESS	WEIGHT 1m <sup>2</sup>	WEIGHT OF THE SLAB
12 mm	30 kg	128 kg
20 mm	50 kg	213 kg
30 mm	75 kg	320 kg
Jumbo 155 size: 20 mm	55 kg	270 kg
Jumbo 155 size: 30 mm	80 kg	395 kg
Jumbo 160 size: 20 mm	57 kg	292 kg
Jumbo 160 size: 30 mm	82 kg	420 kg

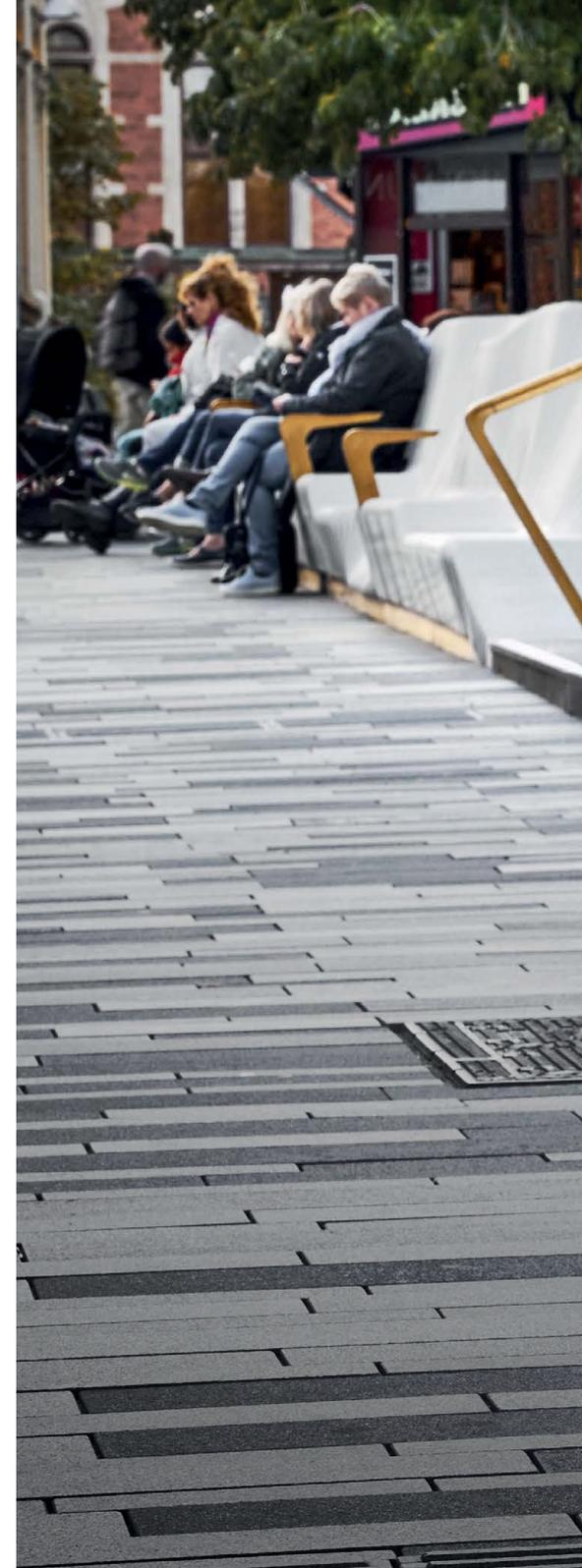
## TILES DIMENSIONS

Format	30 × 30 cm	60 × 30 cm	60 × 60 cm
Thickness	1,2 cm	1 cm	

## SLAB DIMENSIONS

	STANDARD	JUMBO 155	JUMBO 160
Basic dimensions	306,5 × 145 cm / 120,67 × 57,09 in	320 × 156 cm / 125,98 × 61,41 in	321 × 161 cm / 126,38 × 63,39 in
Usable area	305 × 144 cm / 120,08 × 56,69 in	318,5 × 155 cm / 125,39 × 61,02 in	320 × 160 cm / 125,98 × 62,99 in
Net surface	4,39 m <sup>2</sup> / 47,28 sqft	4,94 m <sup>2</sup> / 53,17 sqft	5,12 m <sup>2</sup> / 55,11 sqft

## EDGE PROFILE INSPIRATION IDEAS





DIMENSIONS



POLISHED



RAINED

MATT



TERRA



FINISHES

## CONTENTS OF INDIVIDUAL CONSTITUENTS

PRODUCTION GROUP	TRADE NAME	NATURAL INORGANIC CONSTITUENT	WEIGHT %	BINDER	WEIGHT %	COLOR ADDITIVES	WEIGHT %
Sand	Elegance Gobi	<b>Silica sand</b> , glass	89,0 - 91,0	Resin	8,5 - 10,5	Color pigments	<0,1 - 0,5
Granite	Taurus	<b>Granite</b> , silica sand, quartz	90,3 - 92,0	Resin	7,5 - 9,2	Color pigments	<0,1 - 0,5
Mirrors	Starlight Brilliant	<b>Crushed mirrors</b> , 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	<b>Quartz</b> , 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® *
<b>NSF USA</b>	Food equipment materials – Food / Splash zone
<b>National Institute of Public Health Czech Republic</b>	Suitable for kitchen counter top application according EC regulations

### Health safety

SOURCE	ALL PRODUCTS TechniStone® *
<b>National Institute of Public Health Czech Republic</b>	The product contains no volatile toxic compounds (VOC)
<b>Tile Council of North America, Inc.</b>	The product contains no volatile toxic compounds (VOC)
<b>SCS Global Services</b>	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/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.

PRODUCTION GROUP	THERMAL EXPANSION COEFFICIENT α (30 ° TO 60 °C)	THERMAL EXPANSION COEFFICIENT α (20 ° TO 130 °C)	FROST RESISTANCE COEFFICIENT (AVERAGE)	ABRASION RESISTANCE (AVERAGE)
	(10 <sup>-6</sup> /°C)	(10 <sup>-6</sup> /°C)	-	(mm³)
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



# PHYSICAL-MECHANICAL CHARACTERISTICS



**TechniStone<sup>®</sup>**



# CLEANING & MAINTENANCE

## 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.

## 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 EVERYDAY CLEANING

COMPANY	NAME
Technistone	TS Orange Cleaner
Lifhofin	Easy-Clean
HG International	HG natural stone kitchen top cleaner
Akemi	Quartz Clean and Care
Lasselsberger, s. r. o. (Rako System)	CL 803 CL 804

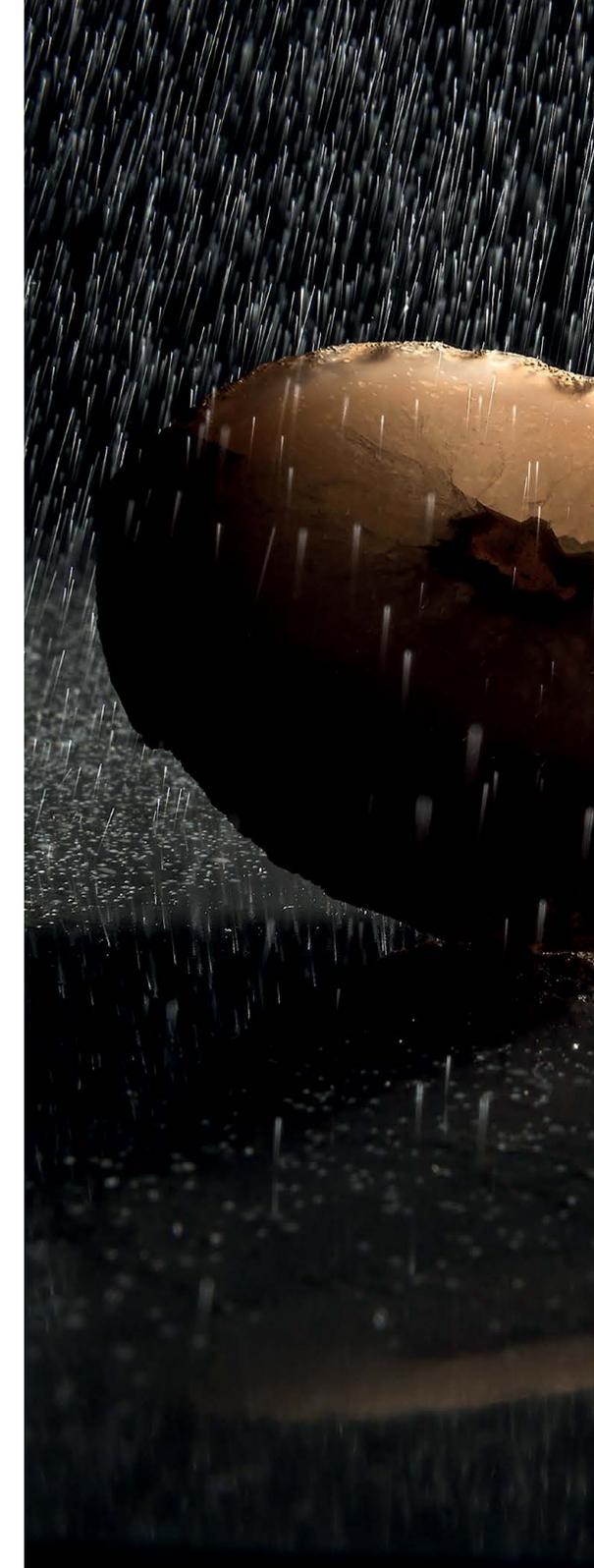
### FOR EVERYDAY CLEANING OF TILES

COMPANY	NAME
Fila	Fila Cleaner
Lifhofin	MN Easy-Care Cleaner
Bellinzoni	Wash and polish L&L
HG International	HG streak free
Akemi	Crystal Clean
Lasselsberger, s. r. o. (Rako System)	CL 803 CL 804

### FOR INTENSIVE CLEANING

STAINS	COMPANY	NAME
Oil, wax	Fila	NoSpot
	Lifhofin	Oil-Ex
	Akemi	Stone Cleaner
	HG International	HG oil & grease absorber, HG grease away
	Bellinzoni	Ultra Stripper gel
Cement residues	Lifhofin	MN builders clean
	Akemi	Ceramics cement film Remover
	Lasselsberger, s. r. o. (Rako System)	CL 802
	HG International	HG grout cleaner, HG marble cement & lime film remover
	Bellinzoni	Extra strong detergent Bert 27
Rust	Fila	SR/95
	Lifhofin	Rust-Ex
	Akemi	Rust Remover

STAINS	COMPANY	NAME
Scales and soap residue	Fila	Deterdek
	Akemi	Ceramics cement film Remover
	HG International	HG marble bathroom cleaner
Resistant stains	Fila	SR/95
	Lifhofin	MN Power-clean, Composite cleaner PRO
	Akemi	Quartz Intensive cleaner
	HG International	HG spot stain remover, HG marble stain color remover
Silicone residues	Bellinzoni	LEM 3 Detergente Neutro
	HG International	HG silicon seal remover
	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.

### SURFACE PROTECTION

COMPANY	NAME
Technistone	TS Protection
Fila	Stone Plus, MP90
Lifhofin	MN Protector
HG nternational	HG Top protector
Bellinzoni	Idea XC, Idea HP
Akemi	Stone Impregnation
Tenax	Skuda universal
Lasselsberger, s. r. o. (RAKO System)	CL 809

## 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](http://www.technistone.com), where all the documents and materials are available for our partners, including the General Business Terms and Cleaning Manual.





GUARANTEE

## GUARANTEE 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 follow the link below).

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

Registration must be done within 30 days of said installation. This warranty is 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.

<http://www.technistone.com/en/warranty>

## TECHNISTONE (hereafter referred to as „the manufacturer“) IS NOT RESPONSIBLE FOR CLAIMS MADE AGAINST AND DAMAGE CAUSED BY

- incorrect installation and/or handling of TechniStone® products or installation by a non-licensed fabricator
- failure to observe the installation instructions given by the manufacturer or local construction regulations and recommendations, including the design of joints.
- using TechniStone® products outside the normal use recommended by the manufacturer, in non-standard applications or in a manner not in accordance with local building regulations and recommendations.
- by moving, deforming, collapsing or modifying the substrate or supporting structure on which TechniStone® products are installed.
- any act of force majeure (e.g. flood, hurricane, earthquake, lightning, etc.) or the state of the environment (e.g. air pollution, soil, mold, etc.).
- incorrect handling, storage, misuse of TechniStone® by the buyer or third party purchaser. Each buyer is solely responsible for determining the effectiveness, eligibility, suitability and safety of TechniStone® products in connection with its use in the individual application.
- visual flaws, i.e. apparent quality defects (surface defects or color and structural divergence). Any mechanical and aesthetic defects in the surface of the product must be clearly visible from the vertical point of view. A defect is defined as a divergence from the acceptable specification and size that affects the long-term aesthetic appearance of the TechniStone® product.

## THE WARRANTY ALSO DOES NOT APPLY TO:

- a product not paid for in full
- obvious defects in the product that have not been claimed prior to installation, assembly or fabrication
- defects in the product that the customer has been informed about or made aware of at the time of confirming the order
- slight difference in color, structure and design. TechniStone® slabs are made of more than 90% natural materials, divergence in aesthetic appearance are part of its natural properties, do not reduce the functionality of slabs, and therefore cannot be considered as defects
- difference in the color of the provided sample used for selection of the material from the actual material delivered
- products subject to abnormal use and conditions, improper handling or incorrect and inappropriate use, exposure to extreme temperatures, exposure to extreme weather conditions, exposure to ultra-violet radiation, physical or chemical abuse, exposure to acids and alkalis, pollution or damage by inadequate care and maintenance, damage from cutting, cracks, blunt force, damage or breakage caused by the customer and its improper and inappropriate use
- temporary stains on the TechniStone® surface (fingerprints, smudges or other temporary stains caused by normal use)
- damage caused by cleaning, care and maintenance, not in accordance with the manufacturer's recommendations
- outdoor use
- additional or extra repairs or alterations, such as all plumbing and electrification adjustments, pavement and wall finishes requiring repairs or relocation of the slab during the time of its warranty. The customer is fully responsible for these repairs and adjustments.
- products installed in commercial buildings (restaurants, hotels, airport halls, shopping centers, apartment and apartment complexes, etc.)

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.







**everlasting beauty**

**TechniStone®**

Technistone, a.s.  
Bratri Stefanu 1070, Hradec Kralove 500 03, Czech Republic

Phone: +420 495 714 711  
E-mail: sales@technistone.com



[www.technistone.com](http://www.technistone.com)



