

TechniStone®

everlasting beauty



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PRODUCT GUIDE



TechniStone®



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 m², 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

CERTIFICATION



An overview of the products and their classification according to use and corresponding certificates are available in the Origin Build database.



The product does not contain any volatile organic materials (VOC).



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.



The Indoor Advantage Gold certificate implies compliance with the requirements of the standards for quality atmosphere in the interior. The product does not emit any substances which can negatively influence the quality of air in an enclosed space.



The selected products contain the ratio of recycled materials in the minimum values 20, 30, 40, and 70 %.



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.



The product is compatible with foodstuffs.



Technistone is a member of The National Kitchen & Bathroom Association.



Technistone is a member of The World-Wide Agglomerated Stone Manufacturers Association.



The product is manufactured using the original Breton technology and does not contain any volatile organic materials.



The product does not contain any volatile organic materials (VOC).



Technistone, a.s. is certified according to the ISO 9001 standard by TÜV SÜD.

In addition, by including selected TechniStone® materials in the planned project, the points needed to meet the conditions of the following "green building" programs can be obtained:



Use the QR code for more information about the specific product.





VARIOUS USES OF TECHNISTONE MATERIAL

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 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

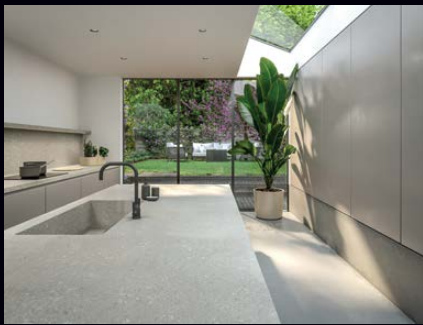
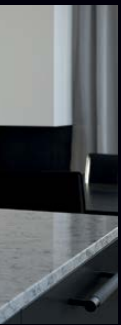
Unique Design

Long Lifetime & Durability

Wide Range of Shades & Finishes

Wide Range of Product Applications





COLOR RANGE



Pearl Lava

Polished surface
Jumbo 155 size
40% content of recycled raw materials



Pearl Delta

Polished surface
Jumbo 155 size
40% content of recycled raw materials



Pearl Rocca

Polished surface
Jumbo 155 size
40% content of recycled raw materials



Crystal Calacatta Silva

Polished surface
Jumbo 160 size



Mystery White

Polished surface
Jumbo 160 size



Poetic Black

Matt surface
Jumbo 160 size



Noble Concrete Grey Matt

Matt surface
Standard 144 (12 mm), Jumbo 155 size



Gobi Urban Matt

Matt surface
Jumbo 155 size



Ambiente Light

Terra surface
Jumbo 160 size

Residente Dark

Terra surface
Jumbo 160 size





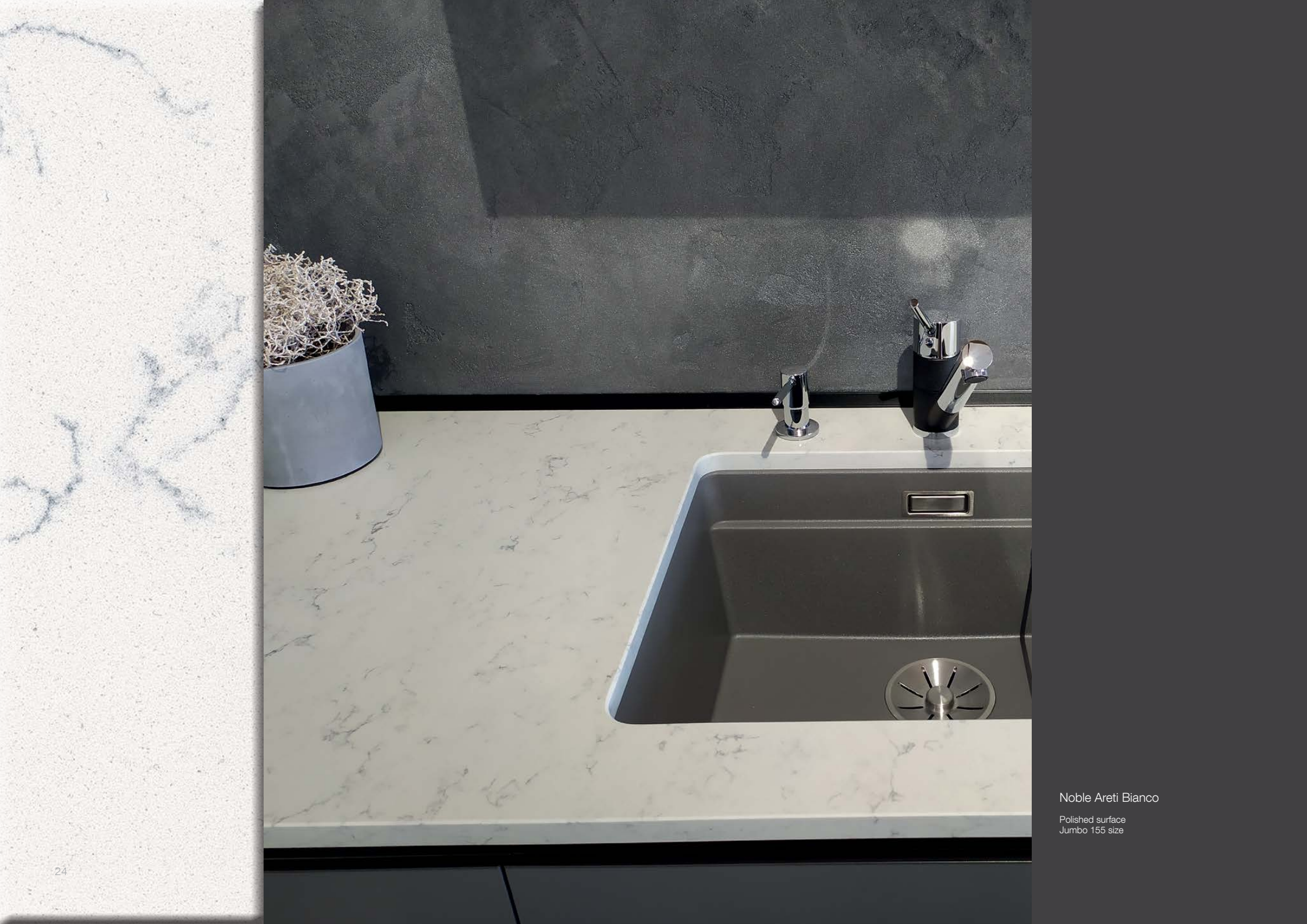
Decore Ocra

Matt surface
Jumbo 160 size



Noble Supreme White

Polished surface
Jumbo 155 size



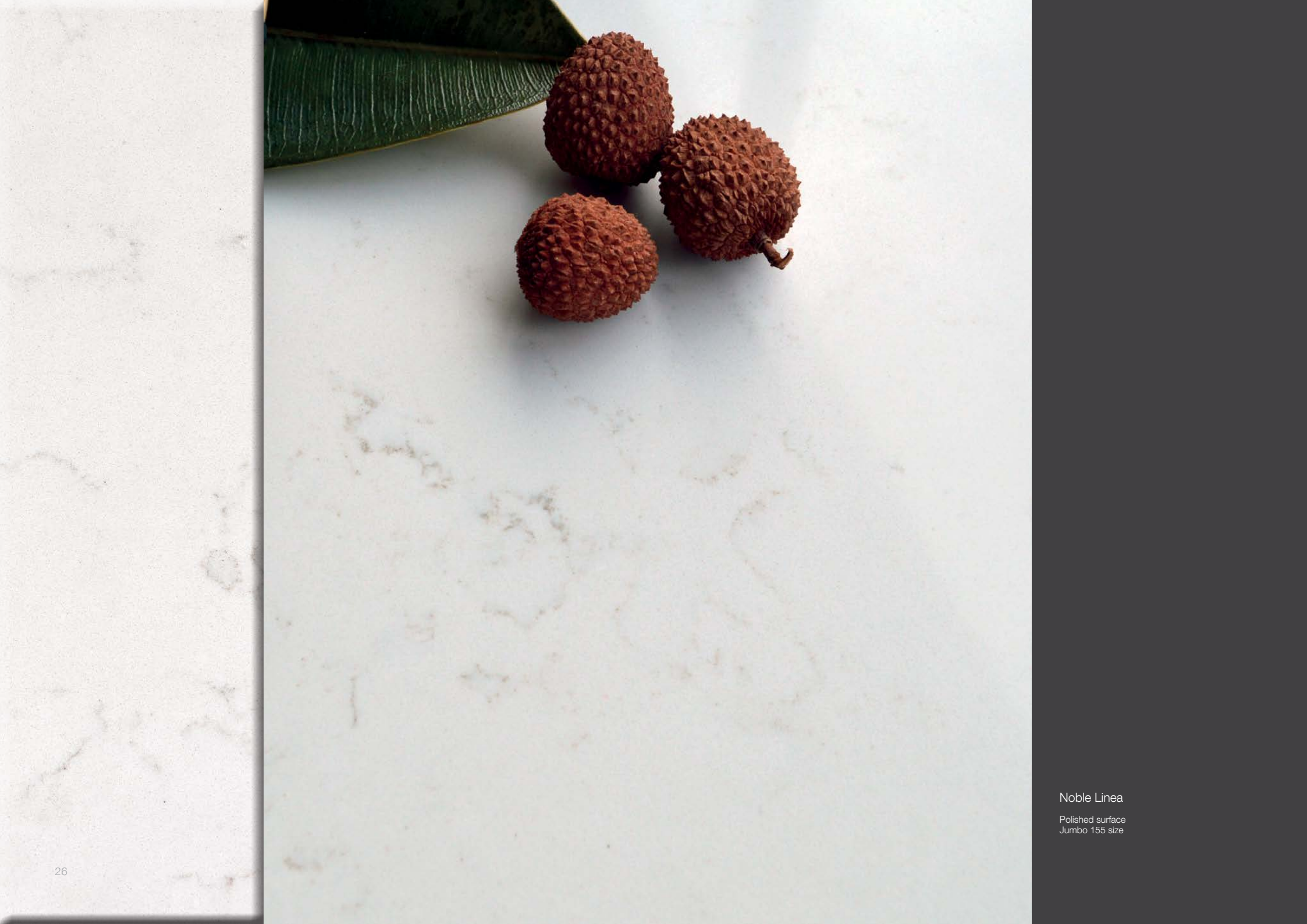
Noble Areti Bianco

Polished surface
Jumbo 155 size



Noble Villa

Polished, matt surface
Jumbo 155 size



Noble Linea

Polished surface
Jumbo 155 size



Noble Pro Frost

Polished surface
Jumbo 155 size



Noble Arco

Polished, matt surface
Jumbo 155 size



Noble Carrara

Polished surface
Jumbo 155 size



Noble Olympus Mist
Polished surface
Jumbo 155 size



Noble Ivory White

Polished surface
Jumbo 155 size



Noble Concrete Grey

Polished, matt, rained surface
Standard 144 (12 mm), Jumbo 155 size



Noble Perlato Luna

Polished surface
Jumbo 155 size



Noble Pro Cloud

Polished surface
Jumbo 155 size



Noble Desiree Grey

Polished surface
Jumbo 155 size



Noble Pro Storm

Polished surface
Jumbo 155 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
Jumbo 155 size
40% content of recycled raw materials



Taurus Terazzo Grey

Polished, matt surface
Standard 144 (12 mm), Jumbo 155 size





Taurus Terazzo Black

Polished, matt surface
Jumbo 155 size
20% content of recycled raw materials



Taurus Terazzo Dark

Polished, matt surface
Jumbo 155 size
40% content of recycled raw materials



Crystal Absolute White

Polished, matt surface
Jumbo 155 size

Crystal Polar White

Polished surface
Jumbo 155 size



Crystal Diamond

Polished surface
Jumbo 155 size





Crystal Nevada

Polished surface
Jumbo 155 size



Crystal Royal

Polished surface
Jumbo 155 size



Elegance Eco Nev

Polished surface
Jumbo 155 size
30% content of recycled raw materials



Elegance Eco Ash

Polished surface
Jumbo 155 size
30% content of recycled raw materials





Gobi Urban

Polished, matt surface
Jumbo 155 size



Gobi Grey

Polished surface
Standard 144 size



Crystal Anthracite Pure

Polished surface
Standard 140 size





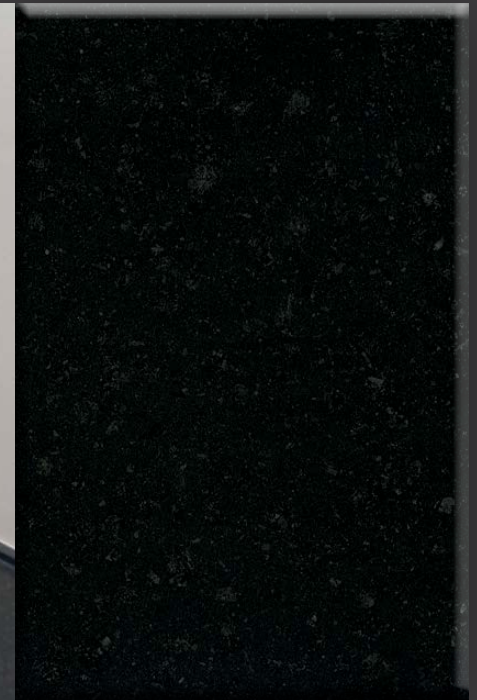
Gobi Black

Polished surface
Jumbo 155 size
20% content of recycled raw materials



Crystal Belgium

Polished, matt surface
Standard 144 (12 mm), Jumbo 155 size



Taurus Black

Polished surface
Standard 144 (12 mm), Jumbo 155 size
40% content of recycled raw materials



Brilliant White

Polished surface
Jumbo 155 size
20% content of recycled raw materials



Brilliant Arabesco

Polished surface
Jumbo 155 size
20% content of recycled raw materials



Starlight White

Polished surface
Jumbo 155 size
40% content of recycled raw materials



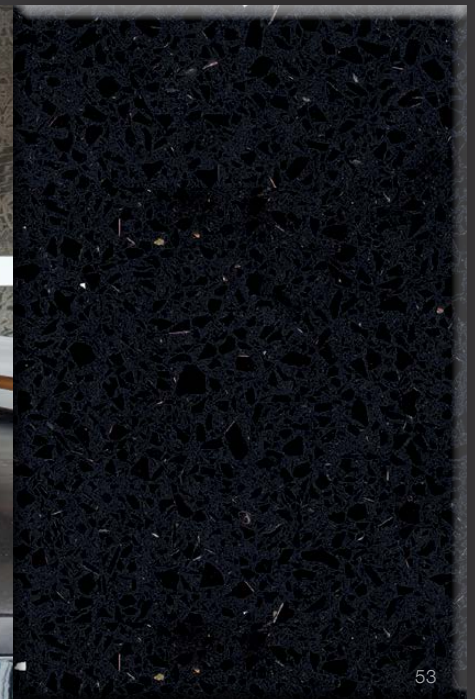
Brilliant Black

Polished surface
Jumbo 155 size
30% content of recycled raw materials

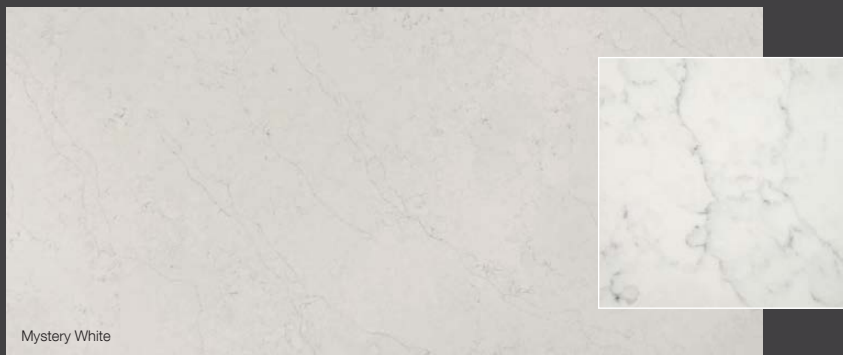


Starlight Black

Polished surface
Standard 144 (12 mm), Jumbo 155 size
Tiles
70% content of recycled raw materials



PRODUCT OVERVIEW





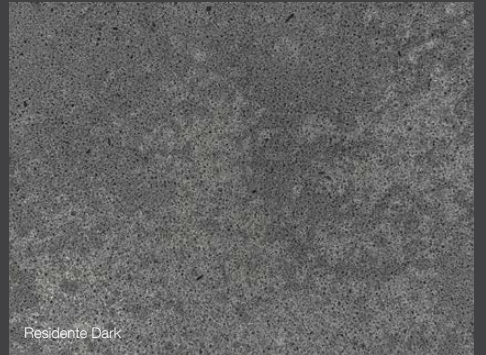
Noble Concrete Grey Matt



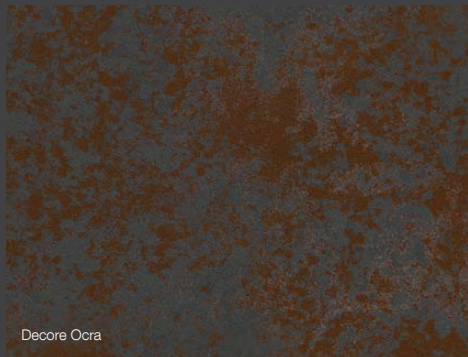
Gobi Urban Matt



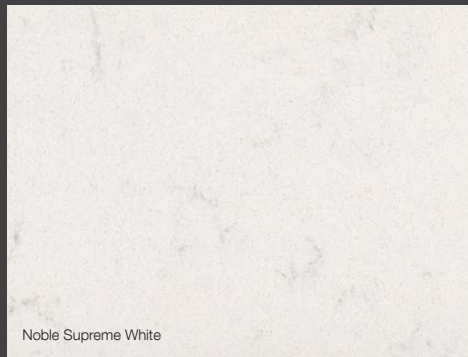
Ambiente Light



Residente Dark



Decore Ocra



Noble Supreme White



Noble Areti Bianco



Noble Villa



Noble Linea



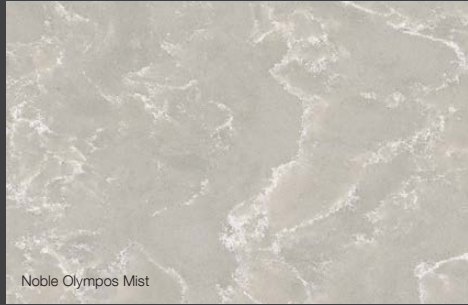
Noble Pro Frost



Noble Arco



Noble Carrara



Noble Olympus Mist



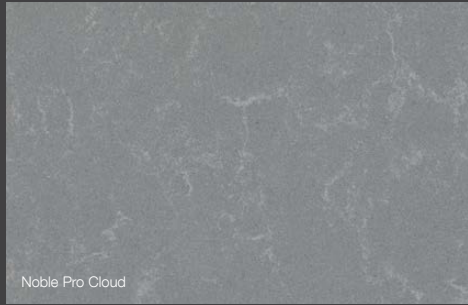
Noble Ivory White



Noble Concrete Grey



Noble Perlato Luna



Noble Pro Cloud



Noble Desiree Grey



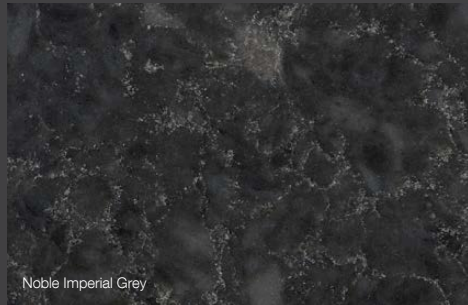
Noble Pro Storm



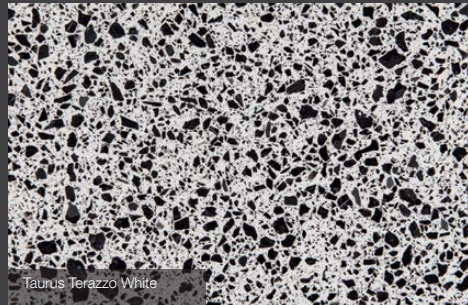
Noble Athos Brown



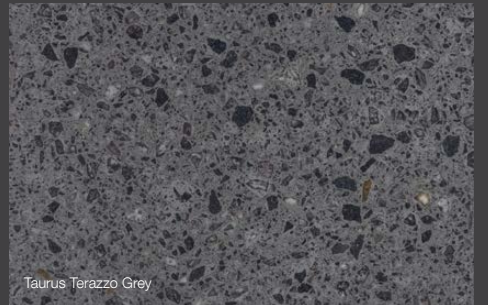
Noble Pietra Grey



Noble Imperial Grey



Taurus Terazzo White



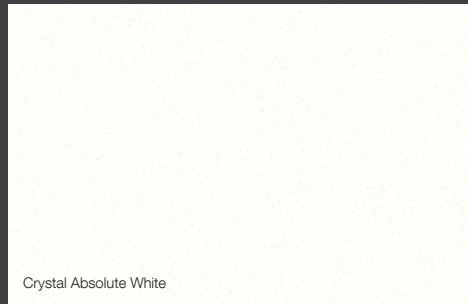
Taurus Terazzo Grey



Taurus Terazzo Black



Taurus Terazzo Dark



Crystal Absolute White



Crystal Polar White



Crystal Diamond



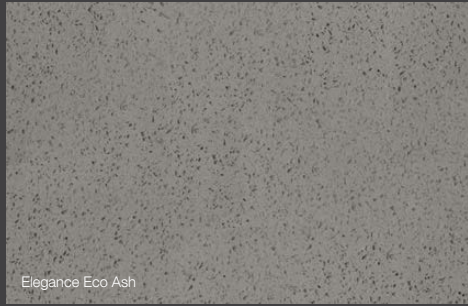
Crystal Nevada



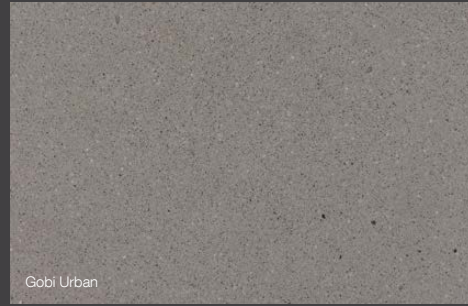
Crystal Royal



Elegance Eco Nev



Elegance Eco Ash



Gobi Urban



Gobi Grey



Crystal Anthracite Pure



Gobi Black



Crystal Belgium



Taurus Black



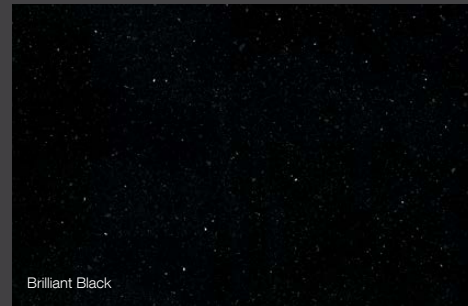
Brilliant White



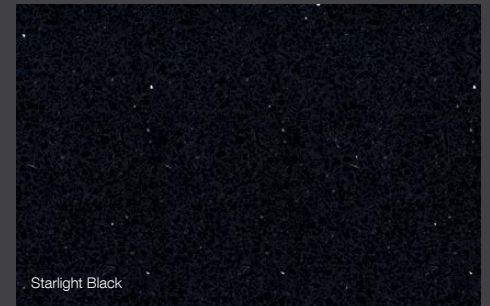
Brilliant Arabesco



Starlight White



Brilliant Black



Starlight Black

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



TechniStone®



TECHNICAL INFORMATION

SLABS THICKNESS AND WEIGHT

SLAB THICKNESS	WEIGHT 1m ²	WEIGHT OF THE SLAB
Standard 144 size: 12 mm / 0.47 in	30 kg	128 kg
Standard 144 size: 20 mm / 0.78 in	50 kg	213 kg
Standard 144 size: 30 mm / 1.18 in	75 kg	320 kg
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

TILES DIMENSIONS

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

SLAB DIMENSIONS

	STANDARD 140	STANDARD 144	JUMBO 155	JUMBO 160
Basic dimensions	307.2 × 141.4 cm / 120.94 × 55.67 in	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 × 140 cm / 120.08 × 55.12 in	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	4.27 m ² / 45.96 sqft	4.39 m ² / 47.28 sqft	4.94 m ² / 53.17 sqft	5.12 m ² / 55.11 sqft

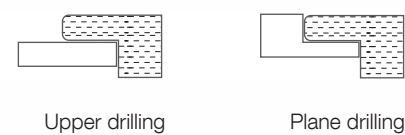
TRIMMING OF EDGES



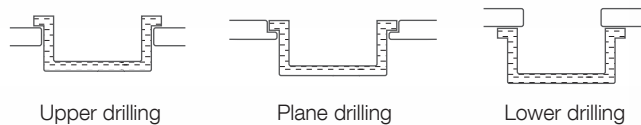
GLUING OF EDGES



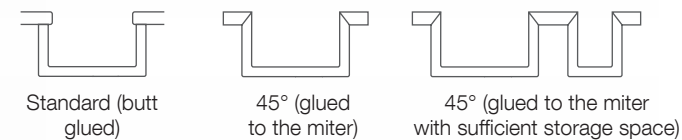
INSERTION OF COOKING WORKTOP



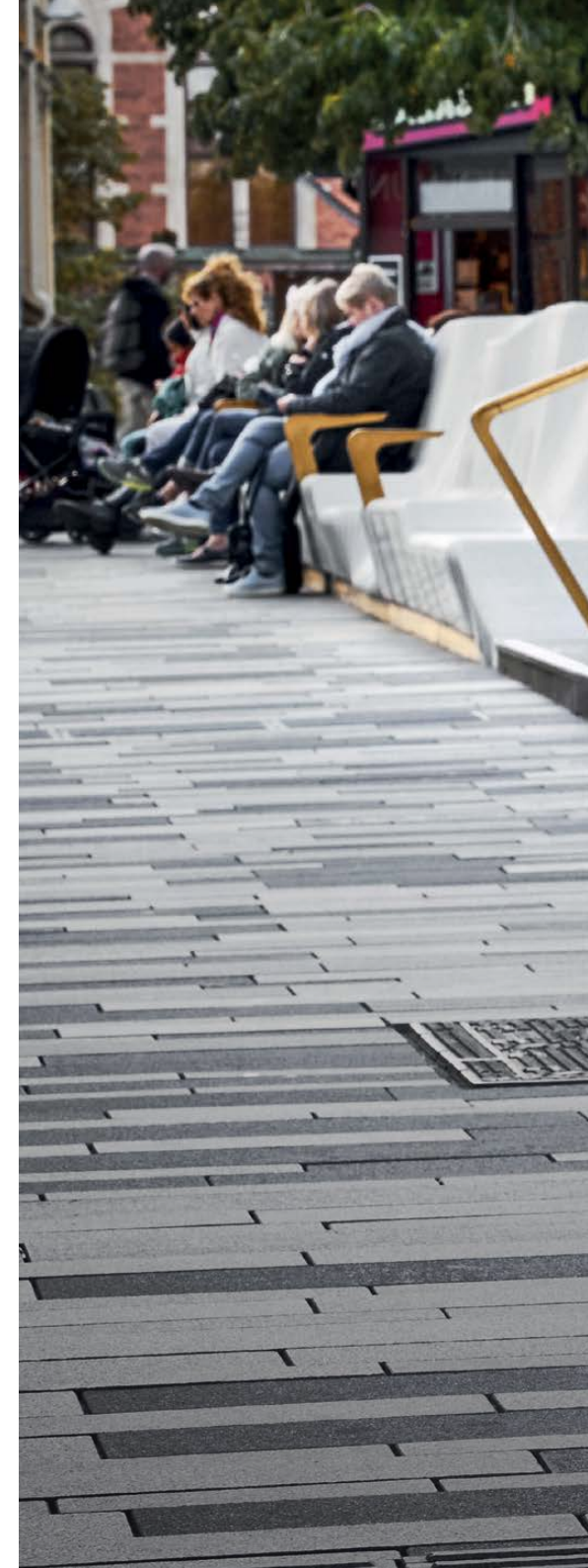
INSERTION OF SINK



GLUING OF SINK



DRIP GROOVES





DIMENSIONS AND TRIMMING OF SLABS

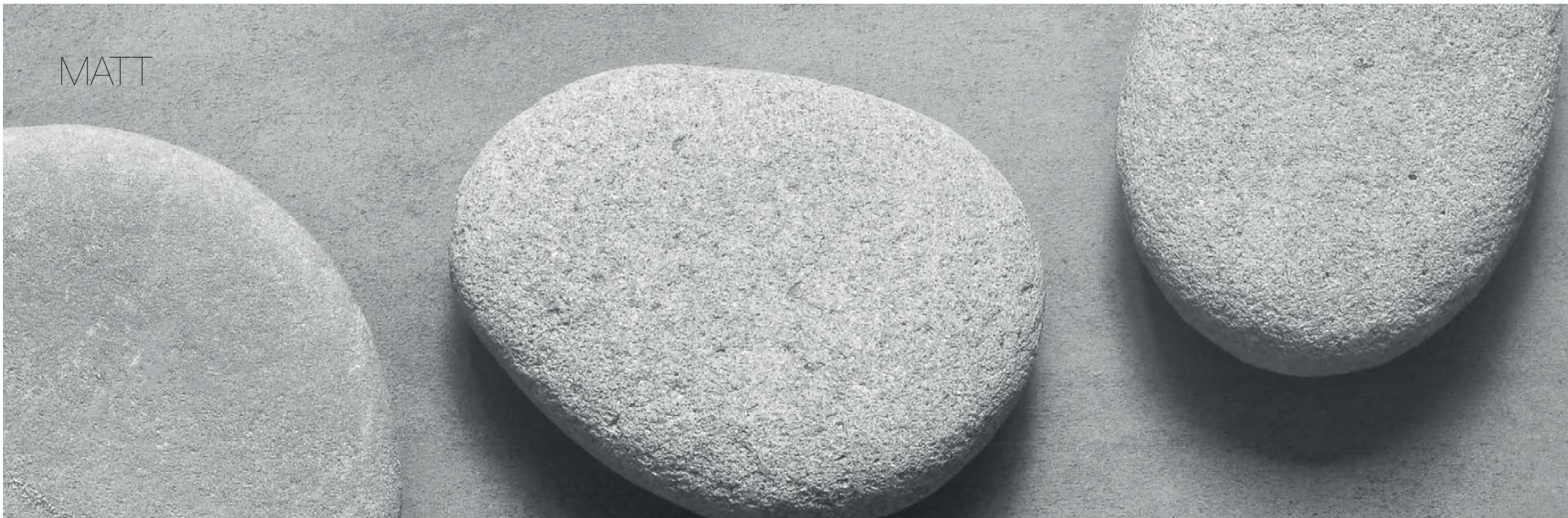


POLISHED



RAINED

MATT



TERRA



FINISHES

CONTENTS OF INDIVIDUAL CONSTITUENTS

PRODUCTION GROUP	TRADE NAME	NATURAL INORGANIC CONSTITUENT	WEIGHT %	BINDER	WEIGHT %	COLOR ADDITIVES	WEIGHT %
Sand	Elegance Gobi	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

* Applicable to selected products.

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

PRODUCTION GROUP	BULK DENSITY (g/cm ³)		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 ⁻⁶ /°C)	(10 ⁻⁶ /°C)	-	(mm ³)
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.	Stone and Gravel Test Laboratory. Hořice Hořice



PHYSICAL-MECHANICAL CHARACTERISTICS



TechniStone[®]



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
Lithofin	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
Lithofin	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
	Lithofin	Oil-Ex
	Akemi	Stone Cleaner
	HG International	HG oil & grease absorber, HG grease away
	Bellinzoni	Ultra Stripper gel
Cement residues	Lithofin	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
Rust	Bellinzoni	Extra strong detergent Bert 27
	Fila	SR/95
	Lithofin	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
	Lithofin	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. Follow manufacturer's recommendation for use immediately following the application.

SURFACE PROTECTION

COMPANY	NAME
Fila	Stone Plus, MP90
Lithofin	MN Protector
HG International	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, where all the documents and materials are available for our partners, including the General Business Terms and Cleaning Manual.



TechniStone[®]



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.







TechniStone®

everlasting beauty

TechniStone®

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