

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. Premium quality, natural quartz surfaces featuring timeless design, outstanding performance for a unlimited number of applications.

Our internal research and development department has over 25 years of experience making Technistone one of the worlds most innovative companies in the field of hardened stone production. Our current monthly production capacity is in excess of 750,000 sf of which nearly 97% is exported to an extensive distribution network worldwide.

COMPANY



TechniStone®



Technistone is made from natural materials (quartz and granite), high-quality binders, colored pigments, glass, and or mirror components.

The raw materials used in the production of Technistone pass not only our rigorous internal testing protocols, but also meet and exceed the strict standards set-forth by both North American and European testing authorities. These exhaustive measures ensure our customers receive a world-class product and unmatched customer satisfaction.

Our hardened stone slabs are used in a diverse variety of both commercial and residential environments.

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.





TECHNISTONE APPLICATIONS

Kitchen Countertops
Kitchen Wall Tile
Bar Tops
Floor Tile
Fireplace Surrounds
Window Sills & Floor*
Bathroom Countertops

Wanes Coating
Shower Surrounds
Bathroom Tile
Furniture Tops
Washbasins*
Bathroom Wall Tile

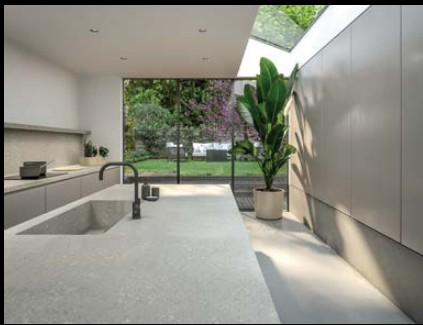
*After consultation with the fabricator.

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 Consistency & Stability
Unique Design
Long Lifetime & Durability
Wide Range of Shades & Finishes
Unlimited Applications





COLOR RANGE



Pearl Lava

Polished surface
40% content of recycled raw materials



Pearl Delta

Polished surface
40% content of recycled raw materials

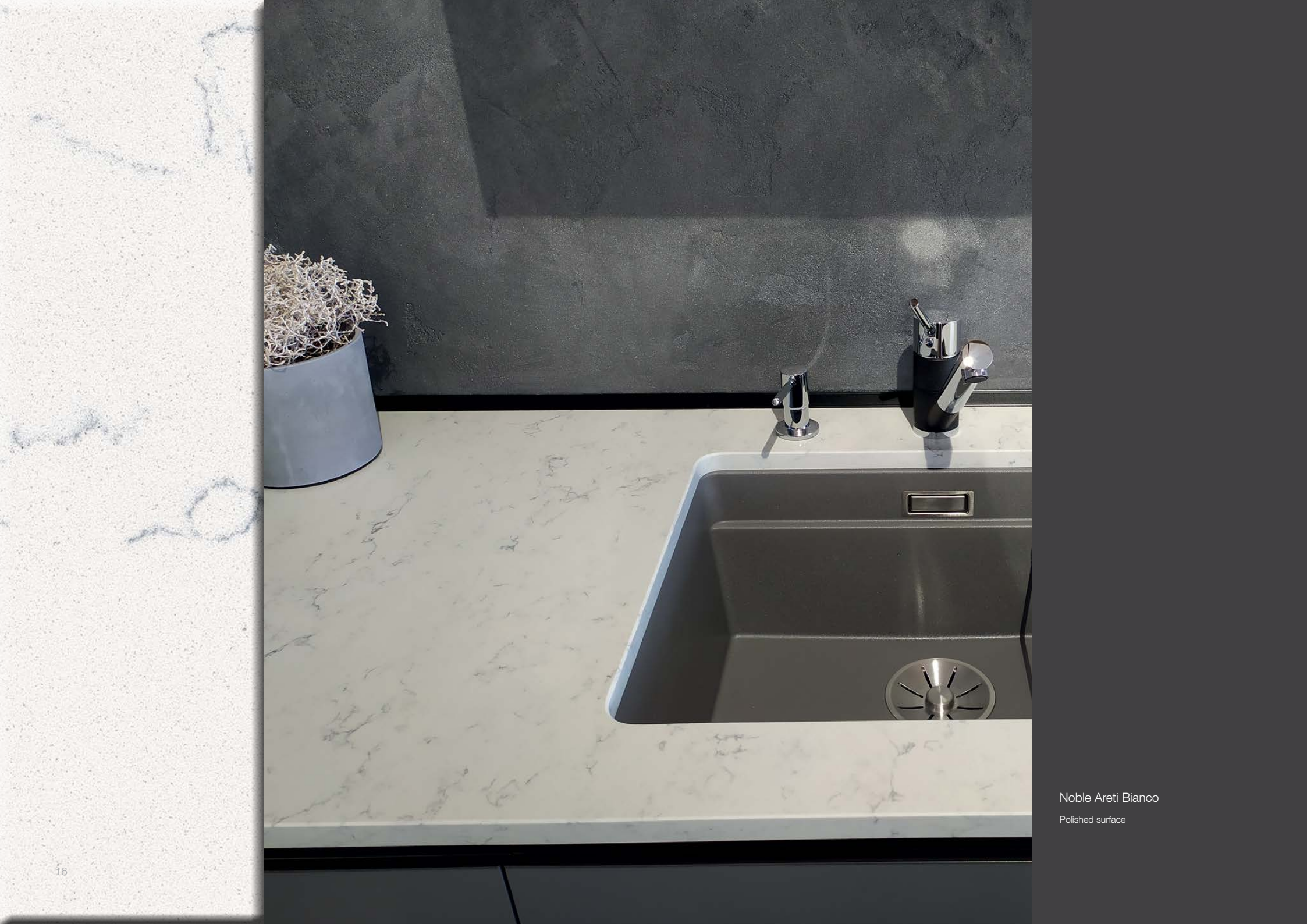


Pearl Rocca

Polished surface
40% content of recycled raw materials



Noble Supreme White
Polished surface

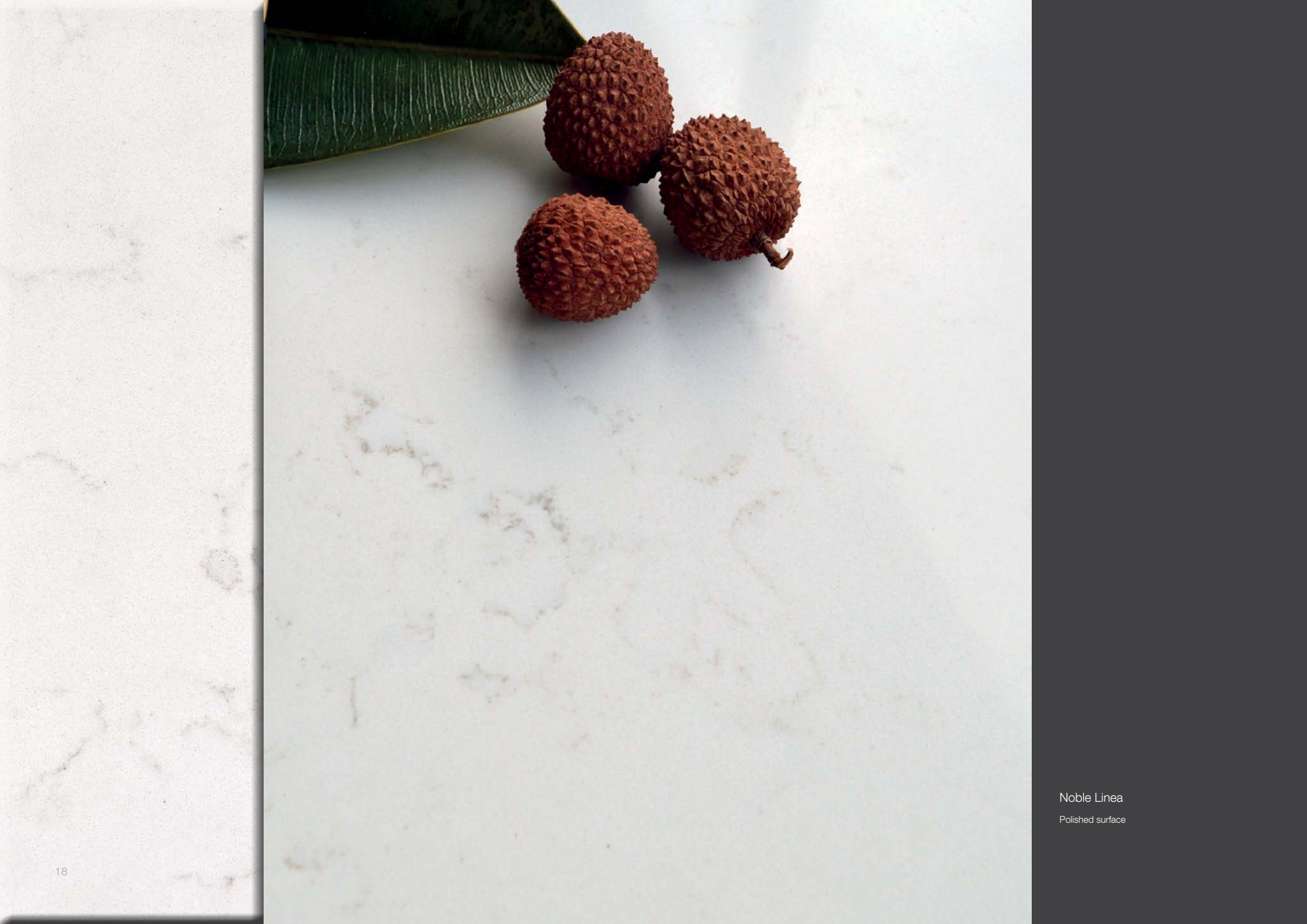


Noble Areti Bianco
Polished surface



Noble Villa

Polished & Matt surfaces
Matt surface 2 cm and 3 cm thicknesses



Noble Linea
Polished surface



Noble Pro Frost
Polished surface



Noble Arco

Polished & Matt surfaces
Matt surface 2 cm and 3 cm thicknesses



Noble Carrara
Polished surface



Noble Olympus Mist
Polished surface



Noble Ivory White
Polished surface



Noble Concrete Grey

Polished & Matt surfaces
Matt surface 1,2 cm, 2 cm and 3 cm thicknesses



Noble Perlato Luna
Polished surface





Noble Pro Cloud
Polished surface



Noble Desiree Grey
Polished surface



Noble Pro Storm
Polished surface

Noble Athos Brown
Polished surface





Noble Pietra Grey
Polished surface



Noble Imperial Grey
Polished surface





Taurus Terazzo White

Polished surface
Matt surface 1,2 cm, 2 cm and 3 cm thicknesses
40% content of recycled raw materials



Taurus Terazzo Grey

Polished surface
Matt surface 1,2 cm, 2 cm and 3 cm thicknesses





Taurus Terazzo Black

Polished surface
Matt surface 1,2 cm, 2 cm and 3 cm thicknesses
20% content of recycled raw materials



Taurus Terazzo Dark

Polished surface
Matt surface 1,2 cm, 2 cm and 3 cm thicknesses
40% content of recycled raw materials



Crystal Absolute White

Polished surface
Matt surface 2 cm and 3 cm thicknesses



Crystal Polar White
Polished surface



Crystal Diamond
Polished surface



Crystal Nevada
Polished surface



Crystal Royal
Polished surface



Elegance Eco Nev

Polished surface
30% content of recycled raw materials



Elegance Eco Ash

Polished surface
30% content of recycled raw materials



Gobi Urban

Polished & Matt surfaces

Matt surface 1,2 cm, 2 cm and 3 cm thicknesses



Gobi Grey
Polished surface



Crystal Anthracite Pure

Polished surface



Gobi Black

Polished surface
20% content of recycled raw materials



Crystal Belgium

Polished & Matt surfaces
Matt surface 1,2 cm and 2 cm thicknesses



Taurus Black

Polished surface
40% content of recycled raw materials



Brilliant White

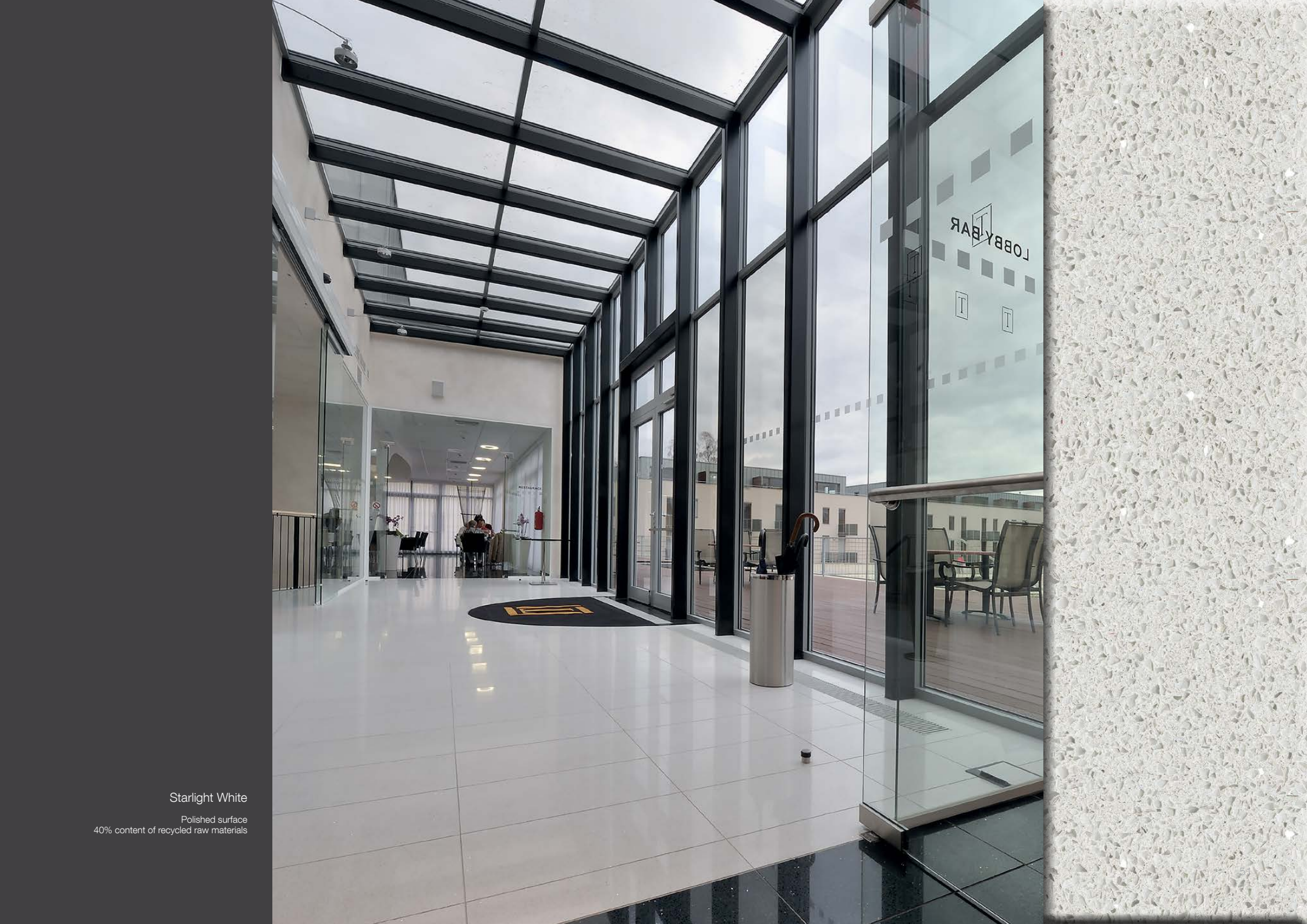
Polished surface
20% content of recycled raw materials





Brilliant Arabesco

Polished surface
20% content of recycled raw materials



Starlight White

Polished surface
40% content of recycled raw materials



Brilliant Black

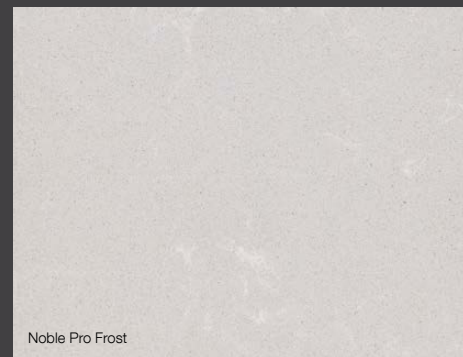
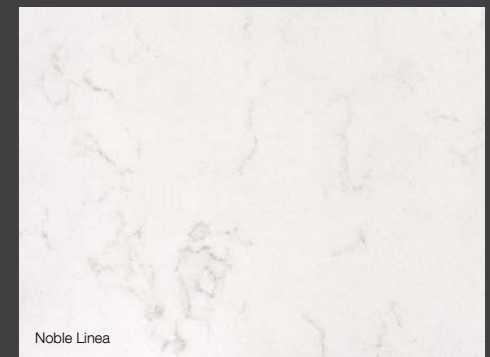
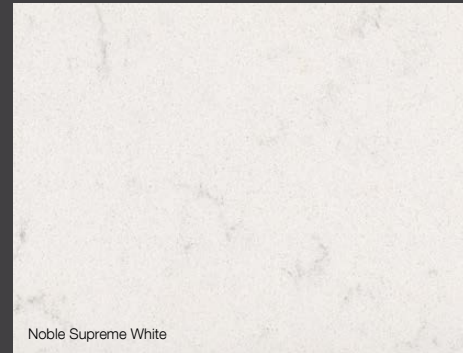
Polished surface
30% content of recycled raw materials



Starlight Black

Polished surface
Tiles
70% content of recycled raw materials

PRODUCT OVERVIEW





Noble Carrara



Noble Olympos Mist



Noble Ivory White



Noble Concrete Grey



Noble Perlato Luna



Noble Pro Cloud



Noble Desiree Grey



Noble Pro Storm



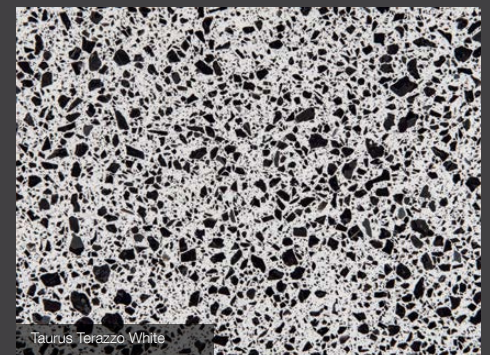
Noble Athos Brown



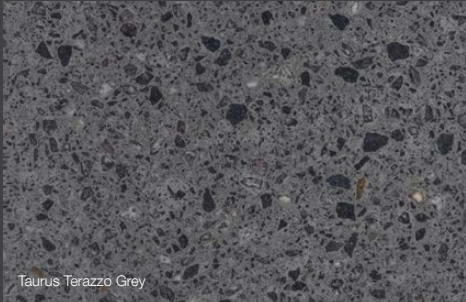
Noble Pietra Grey



Noble Imperial Grey



Taurus Terazzo White



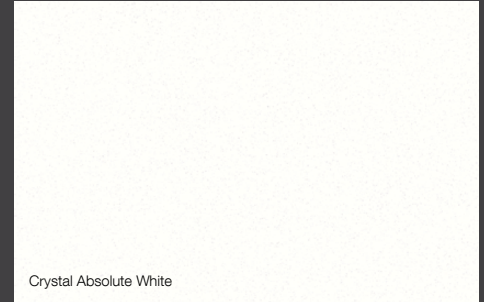
Taurus Terazzo Grey



Taurus Terazzo Black



Taurus Terazzo Dark



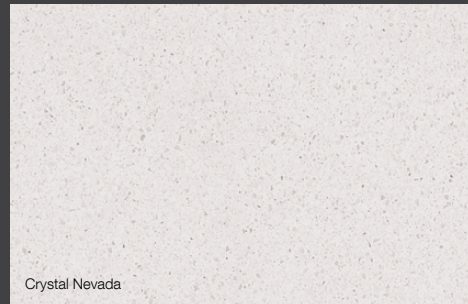
Crystal Absolute White



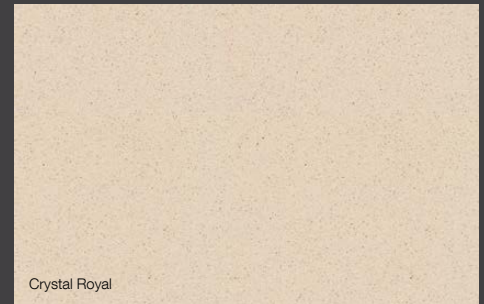
Crystal Polar White



Crystal Diamond



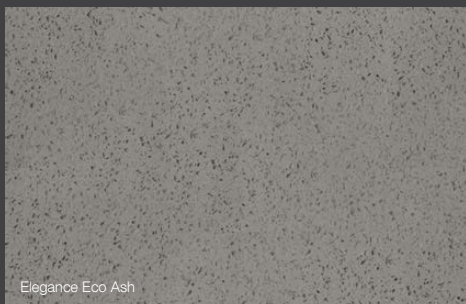
Crystal Nevada



Crystal Royal



Elegance Eco Nev



Elegance Eco Ash



Gobi Urban



Gobi Grey



Crystal Anthracite Pure



Gobi Black



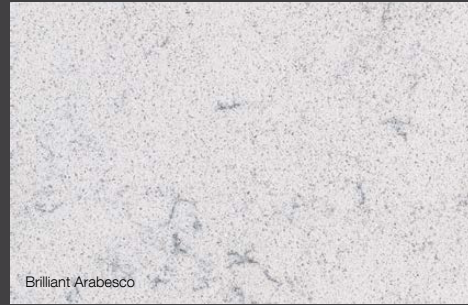
Crystal Belgium



Taurus Black



Brilliant White



Brilliant Arabesco



Starlight White



Brilliant Black



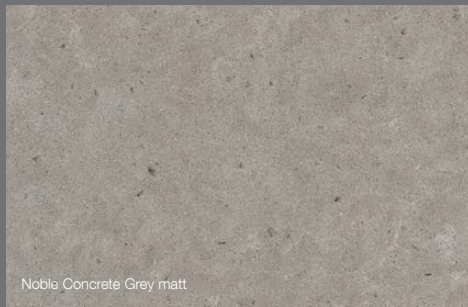
Starlight Black



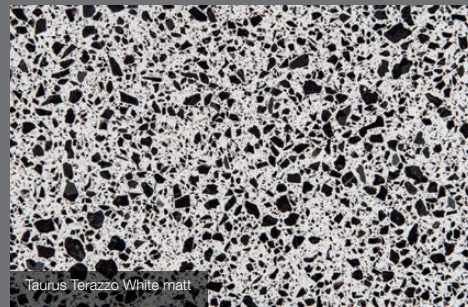
Noble Villa matt



Noble Arco matt



Noble Concrete Grey matt



Taurus Terazzo White matt



Taurus Terazzo Grey matt



Taurus Terazzo Black matt



Taurus Terazzo Dark matt



Crystal Absolute White matt



Gobi Urban matt



Crystal Belgium matt



TechniStone®



TECHNICAL INFORMATION

SLABS THICKNESS & WEIGHT

SLAB THICKNESS	WEIGHT 1m ²	WEIGHT OF THE SLAB
Standard size: 0.47" (12 mm)	66.14 lbs (30 kg)	282.19 lbs (128 kg)
Standard size: 0.79" (20 mm)	110.23 lbs (50 kg)	469.58 lbs (213 kg)
Standard size: 1.18" (30 mm)	165.35 lbs (75 kg)	705.48 lbs (320 kg)
Jumbo size: 0.79" (20 mm)	121.25 lbs (55 kg)	595.25 lbs (270 kg)
Jumbo size: 1.18" (30 mm)	176.39 lbs (80 kg)	870.83 lbs (395 kg)

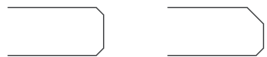
TILES DIMENSIONS

FORMAT
11.81" × 11.81" (30 × 30 cm)
23.62" × 11.81" (60 × 30 cm)
23.62" × 23.62" (60 × 60 cm)
THICKNESS
0.47" (1.2 cm)
0.39" (1 cm)

SLAB DIMENSIONS

	STANDARD 140	STANDARD 144	JUMBO
Basic dimensions	120.94 × 55.67 in (307.2 × 141.4 cm)	120.67 × 57.09 in (306.5 × 145 cm)	125.98 × 61.41 in (320 × 156 cm)
Usable area	120.08 × 55.12 in (305 × 140 cm)	120.08 × 56.69 in (305 × 144 cm)	125.39 × 61.02 in (318.5 × 155 cm)
Net surface	45.96 sqft (4.27 m ²)	47.25 sqft (4.39 m ²)	53.17 sqft (4.94 m ²)

EDGES OPTIONS



1. Double-sided facets



2. One-sided arched edge



3. Double-sided arched edge



4. Special profiles

GLUING OF EDGES

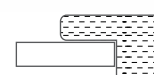


45° (glued to the miter)

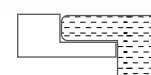


Standard (butt glued)

COOKTOP INSTALLATION

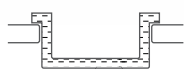


Upper drilling



Plane drilling

SINK INSTALLATION



Drop in

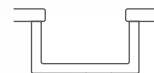


Flush mount



Under mount

SINK FABRICATION



Standard (butt glued)

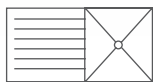


45° (glued to the miter)

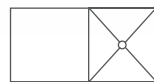


45° (glued to the miter with sufficient storage space)

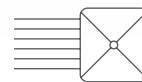
DRAIN BOARDS



Drip area with drip grooves



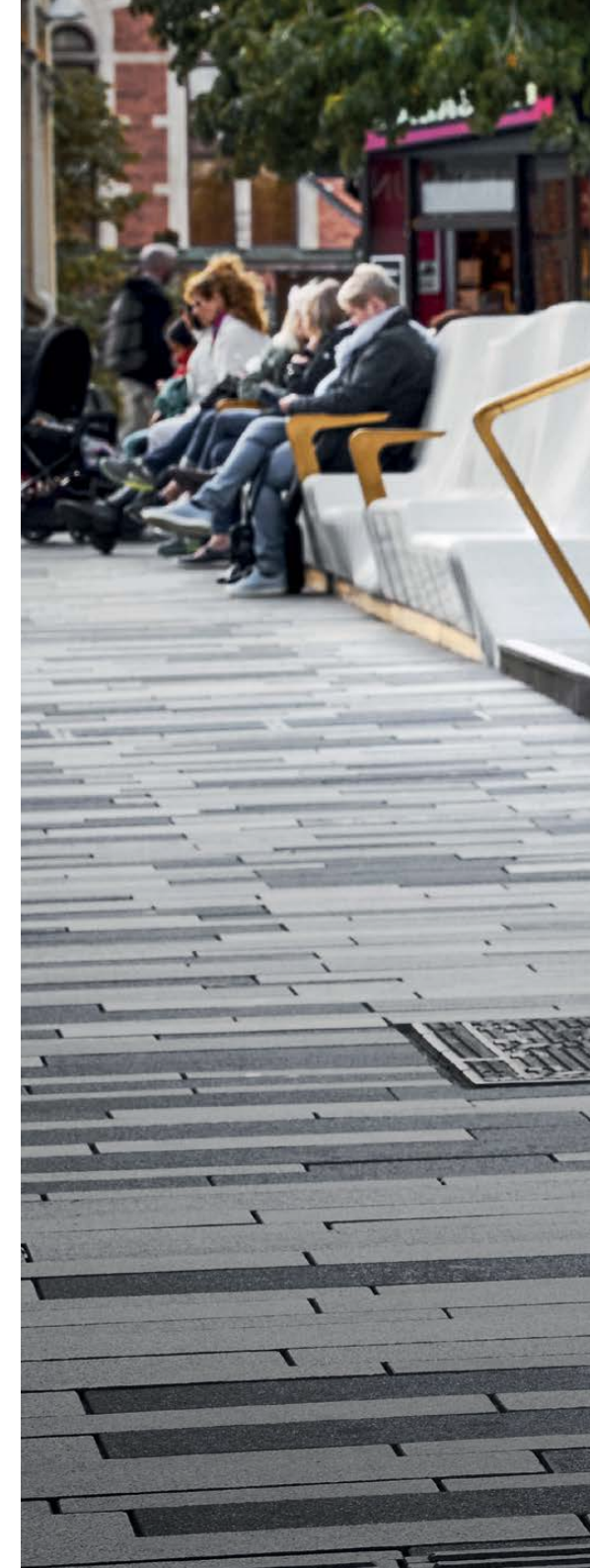
Drip area without drip grooves



Drip grooves (arched edge of sink)



Drip area without drip grooves (arched edge of sink)





DIMENSIONS AND EDGE PROFILES



Noble Olympos Mist

Polished surface



POLISHED



MATT

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.
Tile Council of North America, Inc.	The product contains no volatile toxic compounds (VOC)
SCS Global Services	SCS Indoor Advantage Gold Certification
National Institute of Public Health Czech Republic	The product contains no volatile toxic compounds (VOC)

* Applicable to selected products.

VALUES OF BASIC PHYSICAL 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, Hořice	Stone and Gravel Test Laboratory, Hořice



PHYSICAL CHARACTERISTICS



TechniStone[®]



CARE & 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
Standard Household Cleaners for everyday cleaning	Lysol	All Purpose Cleaner
	Fantastik	All Purpose Cleaner
	Method	Glass Cleaner
	Formula 409	Multisurface Cleaner
	Mrs. Meyers Clean Day	Multisurface Everyday Cleaner
	Mr. Clean	Magic Eraser
	Pledge	Multisurface Cleaner
Standard Stone Cleaners for everyday cleaning	Windex	Multisurface Disinfectant Cleaner
	Simple Green	Stone Cleaner
	Weiman	Daily Granite & Stone Cleaner & Polish

FOR INTENSIVE CLEANING

STAIN	CLEANER
Hot liquids (Strong black tea, Coffee)	hot water or standard or stronger cleaner
Liquids (Coca cola, Olive oil, Maple syrup)	hot water
Liquids (Red wine, Oil after frying)	standard or stronger cleaner
Fruits, vegetables, jam (blueberry, cranberry, black current, beetroot)	hot water
Nutella, Mustard, Ketchup	hot water
Curry	stronger cleaner
Fix (marker), Pen (ballpoint), Ink color (stamp)	standard or stronger cleaner
Lipstick	standard cleaner

TYPE OF CLEANERS

TYPE	CLEANER
Hot water	Hot water (122 - 140°F)
Standard household cleaners	Simple Green - Stone Cleaner
	Weiman - Daily Granite & Stone - Cleaner & Polish
	Lysol All Purpose Cleaner
Stronger cleaners*	Clorox with Bleach
	Clorox Scentiva
	Zep - Heavy-Duty Citrus Degreaser

*pay attention about time of application and thorough removal - read the product instructions)





TREATMENT, SEALING, IMPREGNATION

Special products are also available on the market to increase protection against staining (impregnation, wax-containing products) to ease normal housekeeping. Their use is especially recommended for special surface finishes (matt) and high-stress surfaces (kitchens, bars, shops).

Depending on the level of surface load, the impregnation needs to be restored over time. Always apply the impregnating agents to a clean and dry surface using a microfiber cloth. After application, remove excess material and then grind gently. Leave to work for the period specified by the detergent manufacturer.

Water-based or solvent-based impregnations are available on the market, also available impregnation with highlighting (color intensifier) and no color accentuation.

Always follow the manufacturer's recommendations, read the composition and use (dilutions, safety data sheets).

SURFACE PROTECTION

COMPANY	NAME
Simple Green	Stone Polish
Miracle Sealants Company	511 Impregnator Sealer
Tenax	Quartz Shield
Granite Gold	Polish
Akemi	Stain Repellent Nano Effect

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 (eg cast pots) directly on the counter top, always use an insulating pad or trivet.
- ✓ Use caution when using special knives and sharp objects. (steaks, grilling needles).
- ✓ Use caution when handling dishes and other metal objects, especially at the edges or corners of the counter top and sink cutout.
- ✓ 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 (stainless steel cleaner, 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 are not UV resistant.

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 25-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
- damage caused by exposure to excessive heat
- 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 all commercial applications (restaurants, hotels, airports, shopping centers, apartments, etc) are covered under our Commercial 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.







TechniStone®

everlasting beauty

TechniStone®

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