

2023

SUT COLLECTION

RAK
CERAMICS

REF: SUT COLLECTION 5/2023 V 1.0



RAK
CERAMICS

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CERAMICS

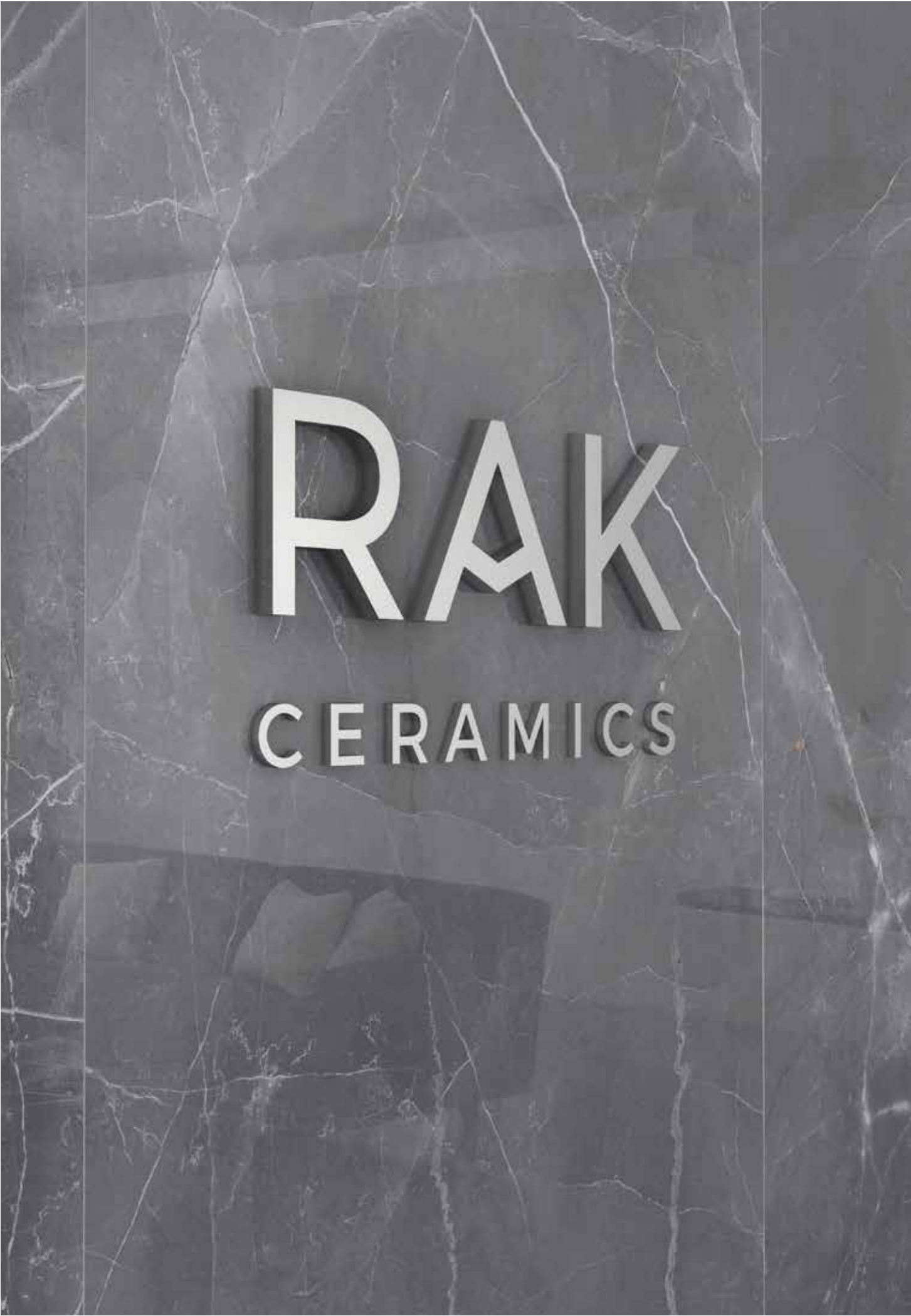
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RAK SANIT is an antibacterial technology available for
all Gres Vitrified and Ceramic tile collections

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The image shows the RAK CERAMICS logo in a bold, white, sans-serif font. The letters are three-dimensional, casting soft shadows on the dark, grey marble background. The background has a complex pattern of white and light grey veins. The word 'RAK' is positioned above 'CERAMICS'.

RAK CERAMICS

Focused on ceramics' expertise

RAK Ceramics is one of the largest ceramics' brands in the world. Specialising in ceramic and gres Vitrified wall and floor tiles and sanitaryware, the company has the capacity to produce 123 million square metres of tiles and 5 million pieces of sanitaryware per year at its state-of-the-art plants across the United Arab Emirates, India and Bangladesh.

Founded in 1989 and headquartered in the United Arab Emirates, RAK Ceramics serves clients in more than 150 countries through network of operational hubs its in Europe, Middle East and North Africa, Asia, North and South America and Australia. Across global operations the company employes approximately 12,000 staff from more than 40 nationalities. RAK Ceramics is a publicly listed company on the Abu Dhabi Securities Exchange in the United Arab Emirates and as a group has an annual turnover of approximately US\$1 billion.

Forged in the mountains of Ras Al Khaimah

RAK Ceramics was established in Ras Al Khaimah in 1989 by H.H. Sheikh Saud Bin Saqr Al Qasimi, member of the Supreme Council and Ruler of Ras Al Khaimah, who aspired to have the best machinery, latest technology, and to produce the best products possible for sale in the world.

Now under the vision and leadership of Sheikh Khalid Bin Saud Al Qasimi, Chairman of RAK Ceramics, the company has enjoyed rapid growth becoming an industry leader in just 30 years.



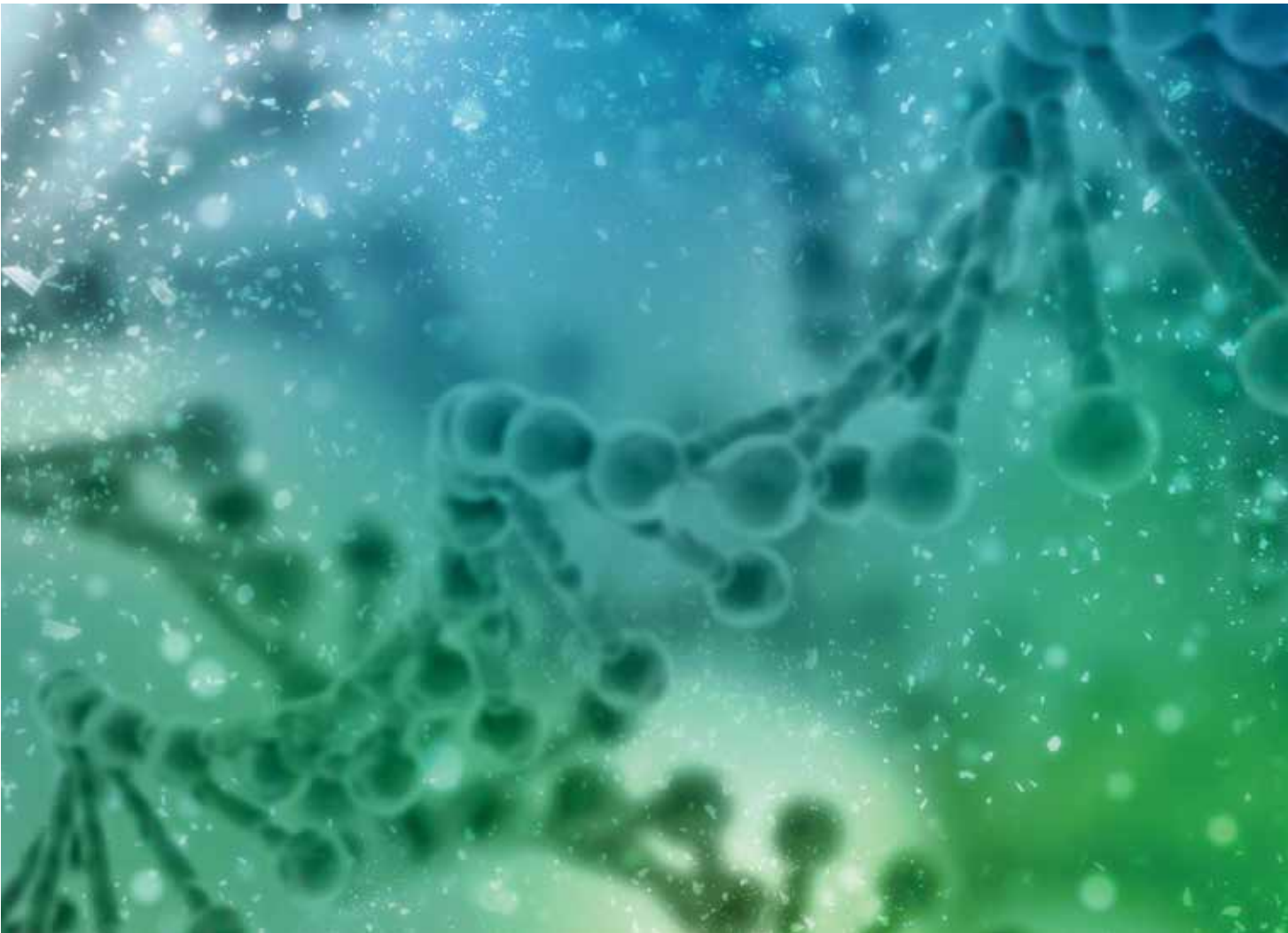
RAK SANIT



The antibacterial revolution

RAK-Sanit is a complete solution that includes vitrified and ceramic tile collections that reduce bacterial contamination and contribute to a healthier living and working environment owing to its antibacterial properties given by silver nitrate compounds.

RAK-Sanit antibacterial collection of wall and floor tiles features antibacterial technology that is permanently integrated into the tile surface. Once bacteria come into contact with the tiled surface, the silver ions initiate the elimination cycle. Silver ions in the antibacterial tile surface bind to enzymes, proteins, cell membranes, and the DNA of the microbe to damage DNA and block reproduction, resulting in the death of the organisms.



ANTISLIP BAREFOOT PLUS



Antislip surfaces for indoor and outdoor application

The Antislip Barefoot + technology gives vitrified tiles excellent non-slip performance and a pleasant feel, with a special roughness imperceptible to the touch.

With their technical characteristics that increase the safety and functionality of floors, they are ideal for indoor and outdoor applications for both commercial and residential settings.



SERIES 8



Highly technical and extremely versatile surfaces

With a dedicated production technology able to deliver the most modern high-performing surface solution, a new variety of full-body vitrified stoneware is created. These tiles are produced using the most modern system and quality materials resulting in an extraordinary natural, high-performing variety of vitrified tiles with unique characteristics and limitless applications.

Its natural and structured features make it the perfect solution for architects' and interior designers' contemporary design needs.



KLIMA

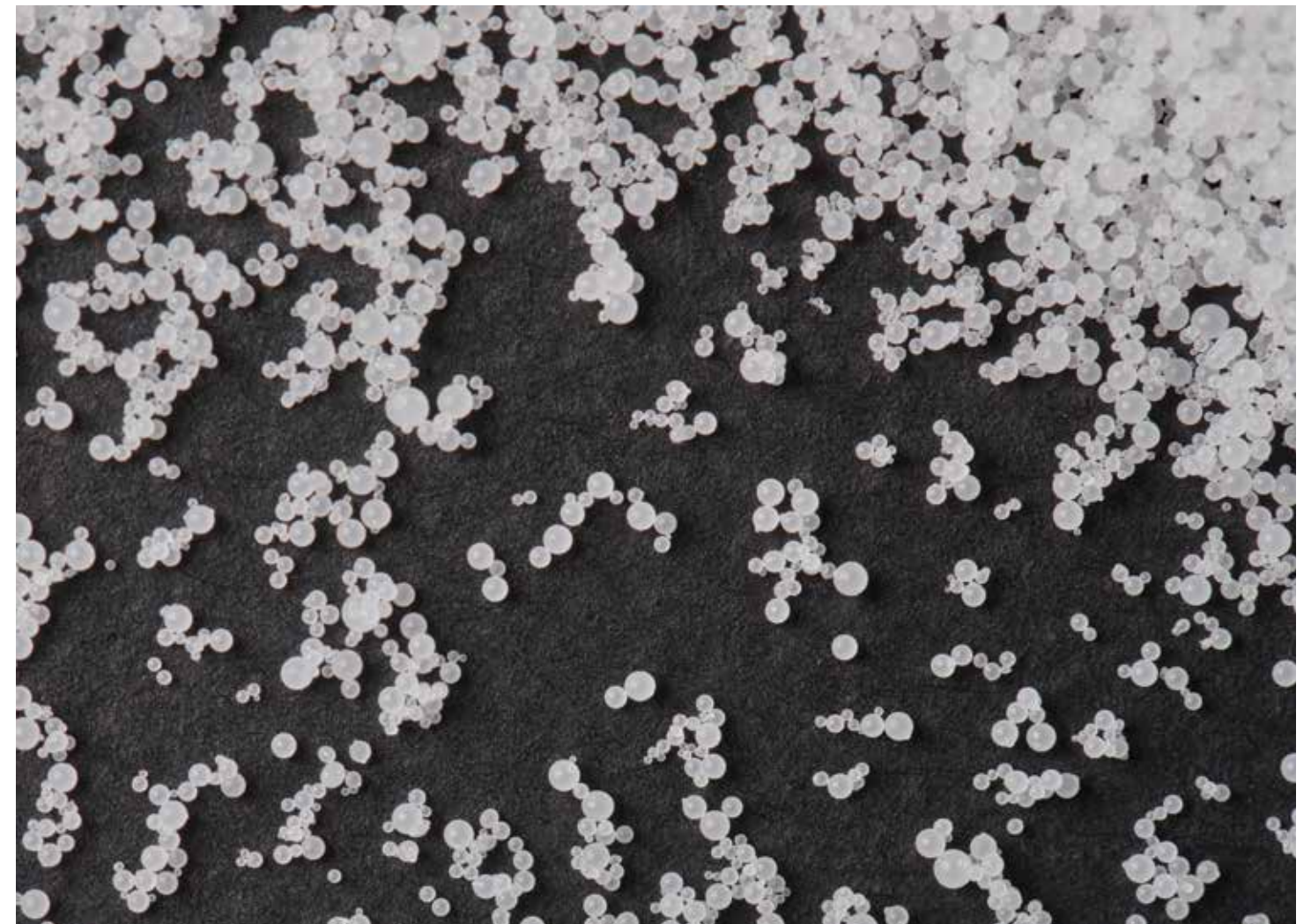


Heat adaptive technology on vitrified tiles

Klima is a new-generation ceramic tile that can absorb and repel heat according to individual needs, thanks to the special materials used during production.

When applied to indoor flooring, Klima retains room heat and releases it over the entire surface, producing a warmer feel than a standard floor. When installed on outdoor flooring, Klima repels the heat from sunlight, resisting high temperatures. As a result, even with significant sun exposure, the surface is not burning hot, and the floor remains cool and pleasant to walk on with bare feet. On ventilated façades, Klima helps limit heat dispersion while maintaining a steady indoor temperature.

Klima tiles are suitable for indoor and outdoor applications, for flooring or external walls, to achieve maximum comfort with minimum energy impact.



LUCE



Translucent tiles for special environments

Light becomes a design tool in the hands of the designer with the Maximus Luce translucent slabs, which enrich any environment thanks to its backlighting technology. It is an absolute novelty that will inspire creativity.

With its varied graphics and colours inspired by the most precious marbles and onyx, plus its exceptional feature of transmitting light through, Luce is the perfect solution for sophisticated commercial and residential applications.



THROUGH BODY VEINS



Vitrified tile that is as real as natural marble

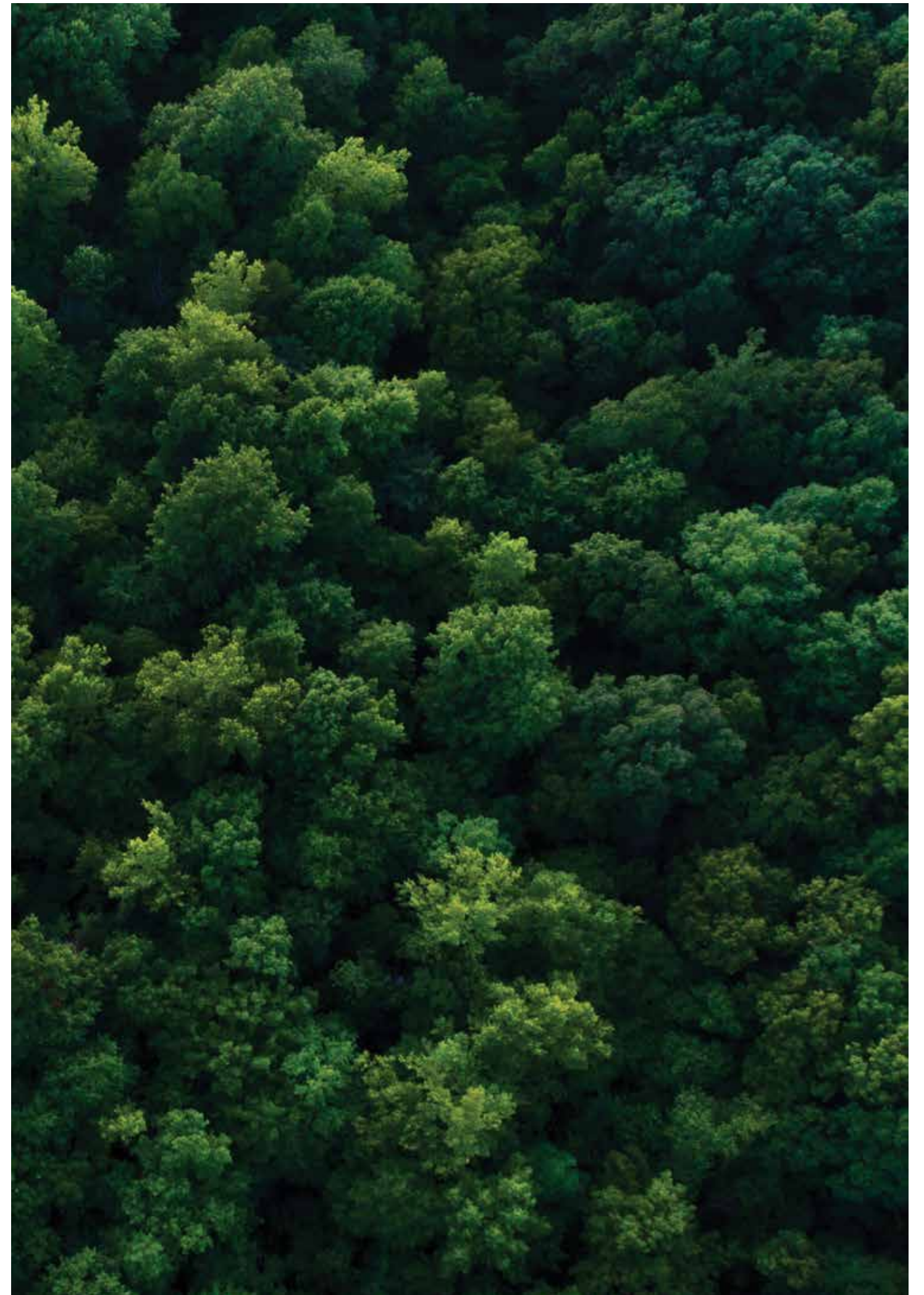
Through-Body Veining is RAK Ceramics' innovative breakthrough in reproducing natural marble and stone veins that pass through the thickness of the vitrified slab's body. This technology gives vitrified slab a unique design feature, having a consistent marble veining, from the surface to the body until the base - a total synchronization.



We play our role for a better environment and society

Sustainability in every sphere of business is one of the main elements of RAK Ceramics mission statement. The company is committed to practicing environmental stewardship throughout its manufacturing chain – from product design and efficient operations processes – and to playing an active role in building a better community by enhancing the surrounding environment. Organization's activities improve energy efficiency, reduce pollution, enhance biodiversity and improve the quality of life for both people in the communities it operates in and for its workforce. It recycles natural raw materials to help conserve natural resources and adopts clean development mechanism (cdm) projects to reduce carbon emissions during the manufacturing process.

RAK Ceramics is the first ceramics manufacturing company in its region to produce a global reporting initiative (gri) sustainability and corporate social responsibility (csr) report, based on the latest gri-gr4 guidelines. RAK Ceramics is a founding member of Emirates Green Building Council, which supports the development of sustainable buildings in the UAE.





Quality makes us different

RAK Ceramics was the first company in United Arab Emirates being awarded with **ISO 9001 certification** by internationally recognized UK certification body “CICS” (Ceramic Research Institute Certification Scheme) for ceramics tiles and sanitary wares. Bureau Veritas Certifications verified the implementation of RAK Ceramics’ quality management system and certified the company in compliance with the requirements of **ISO 9001:2015** with the scope covering the design, development, production and supply of ceramics and vitrified floor and wall tiles, slabs and vitreous china sanitary wares.

Bureau Veritas Certifications also certified RAK Ceramics for **ISO 14001:2015 Environmental Management System**.

RAK Ceramics manufactures ceramic tiles according to the latest version of ISO 13006 and/or EN 1441 standards with equivalent ANSI A137.1 American national standard specifications for ceramics tiles.

Its Testing Laboratory is operating in accordance to **ISO/IEC 17025** accredited by NATA (National Association of Testing Authorities, Australia).

Being a corporate member of EGBC (Emirates Green Building Council), RAK Ceramics supports the promotion and development of sustainable buildings in United Arab Emirates.

The world's leading ceramics lifestyle solution provider

RAK Ceramics helps architects and interior designers create icons and build marvels. It provides sustainable materials that inspire ideas, shapes and hues designed to freely express any style. Unique and inspiring products that realistically resemble natural materials, with unlimited choice.

RAK Ceramics gives vitrified perfection and limitless imagination. Its passion and expertise combined with a careful attention to details enables it to provide designers and end users with a wide range of integrated ceramics solutions, allowing their freedom to be creative and plenty of room for imagination.





A track record of expertise

RAK Ceramics' products feature in some of the most iconic buildings in the world. From the Burj Al Arab, Atlantis on The Palm and Ferrari World, to Dubai Duty Free, Wembley Stadium, The O2 Arena, Mercedes Benz Showrooms, Airports, Residential Developments and Shopping Malls all over the world.



LUCE

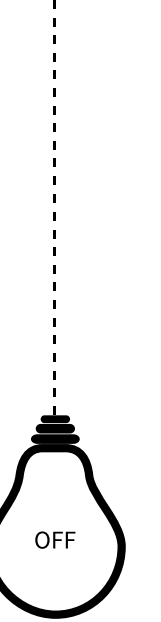
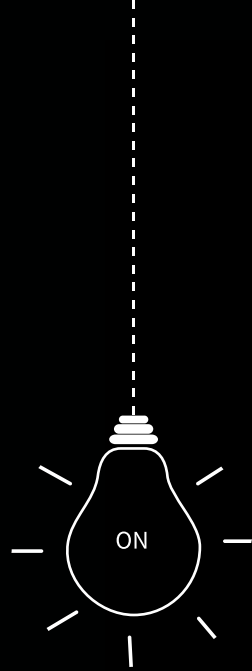
Light becomes a design tool in the hands of the designer and through elegant surfaces contributes to enrich special environments, making them magical.

This is what makes the new Maximus Luce slabs a stunning centerpiece for your design concept and amaze when enhanced with backlighting technology. An absolute novelty that will inspire your creativity.

7 different graphics and colors in marble and onyx effect, that replicate the natural ability of the stones to filter the light.

Hotels, restaurants, offices, shops and sophisticated residential environments.

Light up your projects with Maximus Luce.



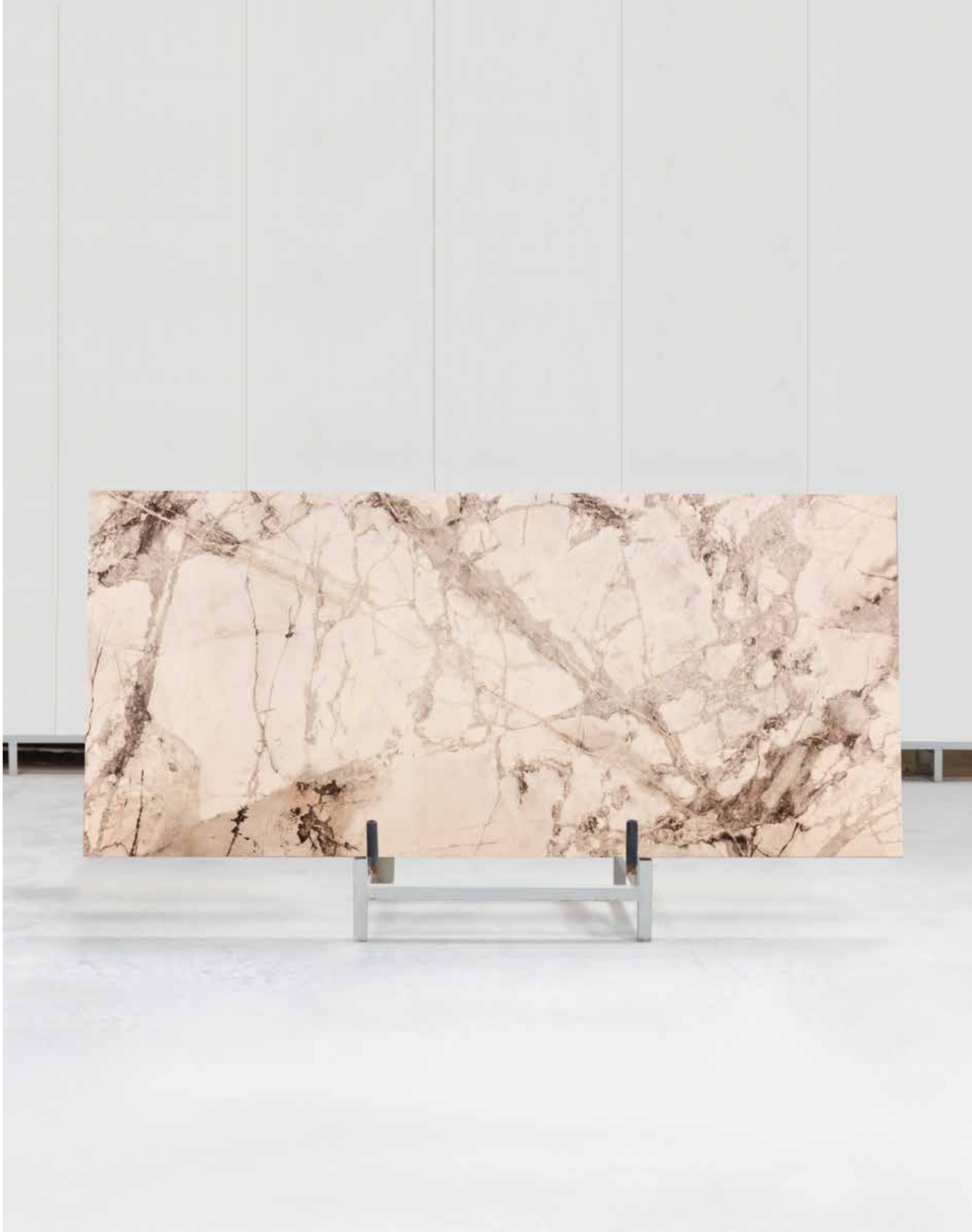
LUCE, A SUPERIOR PRODUCT:

The translucent body of Luce is made with a very high purity of raw materials containing special and high quality clays and feldspars.

As the body is pure white, the ink development is more advanced than other products.

Luce has a lower kiln cycle and temperature than conventional vitrified products.

When illuminated, Luce’s special body gives a soft glow and really transforms the design from a plain tile to a soft natural marble.





Luce Onyx White





Luce Onyx Green Jade



VITRIFIED TILES

Polished • Rectified • light Structure

120x260 cm
47.24"x102.36"
>|< 6 mm

luce onyx white



SIZES (cm / inches)	THICKNESS (mm)
120x260 / 47.24"x102.36"	6

luce onyx harlequin



SIZES (cm / inches)	THICKNESS (mm)
120x260 / 47.24"x102.36"	6

luce onyx green jade



SIZES (cm / inches)	THICKNESS (mm)
120x260 / 47.24"x102.36"	6

luce bahia azul



SIZES (cm / inches)	THICKNESS (mm)
120x260 / 47.24"x102.36"	6

luce onyx ivory



SIZES (cm / inches)	THICKNESS (mm)
120x260 / 47.24"x102.36"	6

luce onyx arco red



SIZES (cm / inches)	THICKNESS (mm)
120x260 / 47.24"x102.36"	6

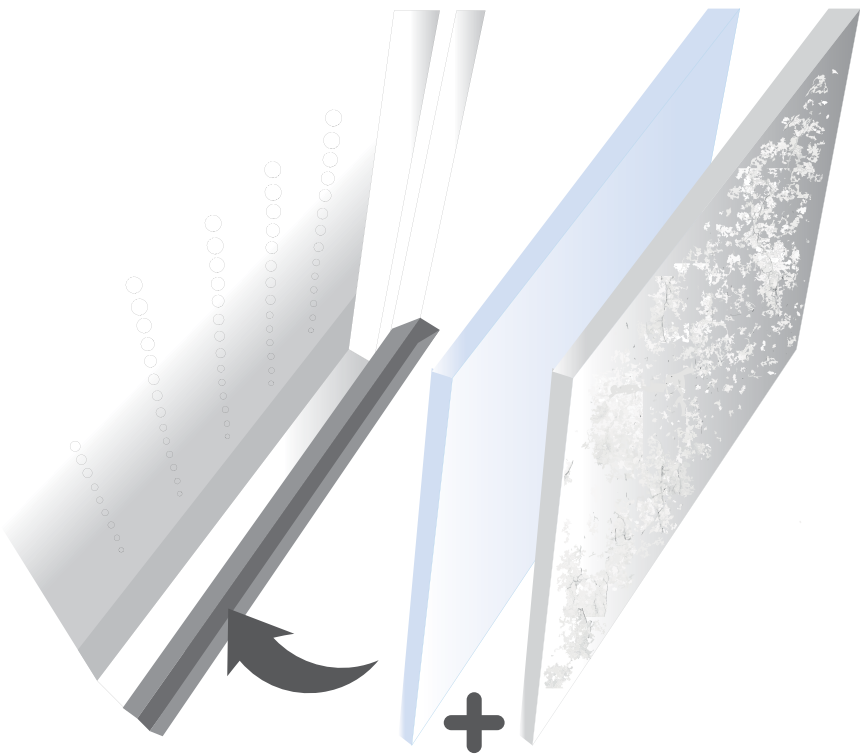
luce marble white



SIZES (cm / inches)	THICKNESS (mm)
120x260 / 47.24"x102.36"	6

LUCE

INSTALLATION SUGGESTIONS AND RECOMMENDATIONS



1. Create a niche in the wall in order to have an empty space to allocate the LED strip light or the light box.
2. We recommend to use a neutral LED COLOR (3600K-5500K) and to fix the LED strips vertically or horizontally, covering the full space of the niche, in order to avoid dark areas and to get a homogeneous light.
3. Deeply clean the back of the slabs before the installation in order to avoid seeing any shadow.



9.00 AM

12.00 PM

5.00 PM

9.00 PM

HOW TO FIX THE SLABS:

1. DIRECTLY ON LED

We recommend this option only in the case of the installation of a single slab or a cut piece.

- Fix the led strip lights on a white wall.
- Keep a gap of 4-6 cm between the LED strips and the slab in order to avoid seeing the dots of the LED strip light through the slab.
- Fix the slab on the perimeter of the frame of the niche
- Use a transparent adhesive according to the specifications indicated in the technical data sheet of the chosen adhesive.
- Do not spread the adhesive in the central area of the slab.
- Fix a frame or profile on the perimeter of the slab (top, down, left and right at your choice), in order to secure the slab and to cover the shadows of the adhesive if visible.

2. ON A TRANSPARENT HARD SURFACE (GLASS, THICK PLEXIGLASS OR LIGHT BOX)

We recommend this option in case of the installation of multiple slabs or cut pieces in order to avoid bending or visible interruptions. We also recommend this option when you need to install a single slab in a more stable and secure way.

- Fix the LED strip lights or the light box on a white wall.
- If you chose the led strip option, fix the glass, or the Plexiglas surface at a minimum distance of 2-4 cm from the LED strip lights in order to avoid seeing the dots of the LED strip through the slab.
- Deeply clean the glass, or the Plexiglas, or the light box surface before the application of the adhesive.
- Use a transparent adhesive according to the specifications indicated in the technical data sheet of the chosen adhesive.
- Evenly spread the adhesive on the back of the slab by using a spatula in order to get a homogeneous layer of adhesive. Do not use rolls or other tools in order not to have a visible layer of adhesive.
- Fix a frame or profile on the perimeter of the slab (top, down, left and right at your choice), in order to secure the slabs.





Through-Body Veining

Vitrified tile as real as natural marble



Through-Body Veining is RAK Ceramics’ innovative breakthrough in reproducing natural marble and stone veins that pass through the thickness of the vitrified slab’s body. This technology gives vitrified slab a unique design feature, having a consistent marble veining, from the surface to the body until the base - a total synchronization.

grigio venato



vanity top: grigio venato 135x305 cm

piasentina XL

table top: Piasentina XL 135x305 cm



saint lorent

counter and backcounter wall: saint lorent 135x305 cm

viareggio

vanity top: viareggio 135x305 cm



VITRIFIED TILES

Lappato • Rectified • heavy Structure



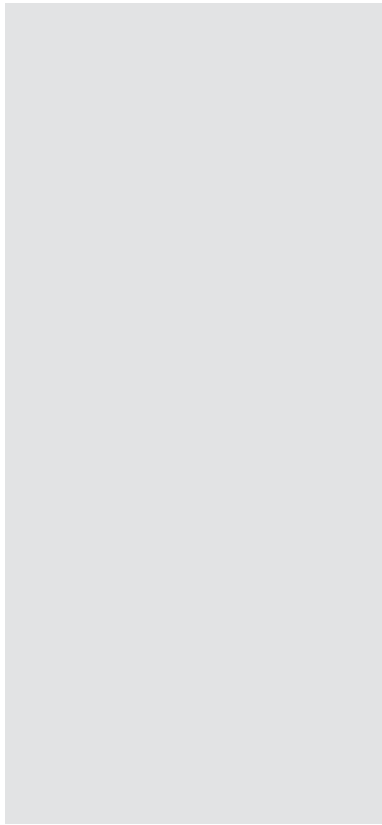
grigio venato



piasentina XL

MAXIMUS
MEGA SLAB

135X305 cm
53.14”x120”



>|< 14.5 mm

Name	Thickness	Size(CM)
coral stone light grey	14.5 mm	135x305
piasentina XL	14.5 mm	135x305

Through Body Veining



VITRIFIED TILES

Lappato • Rectified • heavy Structure



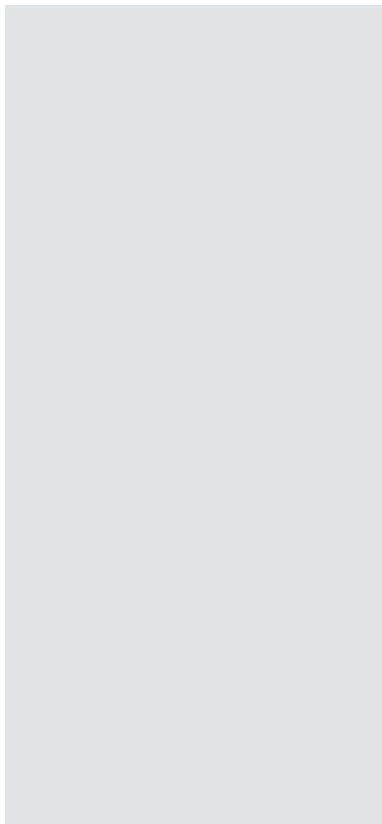
Viareggio



saint lorent

MAXIMUS
MEGA SLAB

135X305 cm
53.14”x120”



>|< 14.5 mm

Through Body Veining



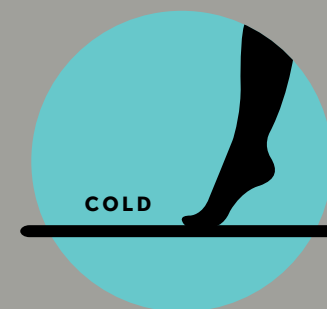
Name	Thickness	Size(CM)
Viareggio	14.5 mm	135x305
saint lorent	14.5 mm	135x305

KLIMA

INNOVATION AND SUSTAINABILITY

Klima is a new generation ceramic that, thanks to special materials, is able to absorb and repel heat according to individual needs.

Suitable for both indoor and outdoor applications, for flooring or external walls, to achieve maximum comfort with minimum energy impact.



COLD PROOF

When installed on outdoor flooring, Klima retains room heat and releases it over the entire surface, producing a warmer feel than a standard floor. Ideal for surfaces that provide a wood-like effect, imparting a warmth and a comfort to be experienced.



WARM PROOF

When applied in indoor flooring, Klima repels, resisting high temperatures. Even with significant sun exposure, the surface is not burning hot and floor remains cool and pleasant to walk on with bare feet.



ENERGY SAVING

On ventilated external façades, Klima helps limit heat dispersion while maintaining a steady indoor temperature. An innovative solution that helps reduce room energy demands.

coral stone



Floor: Coral stone beige 60x60 cm

coral stone

Wall: Coral Stone Light Grey 60x60 Cm
Coral Stone Dark Grey 60x60 Cm
Floor: Coral stone beige 60x60 cm

salento

Floor: salento brown 60x60 cm



coral stone



coral stone ivory



coral stone beige



coral stone light grey



coral stone grey

salento



salanto brown



salanto beige



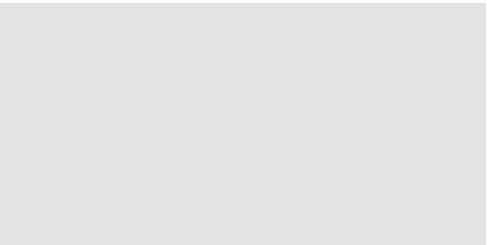
salanto grey

VITRIFIED TILES

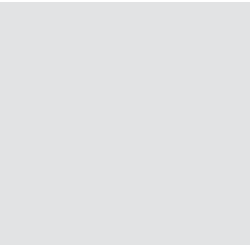
Matt • Rectified • heavy Structure



60x120 cm
23.62”x47.24”



60x60 cm
23.62”x23.62”



Name	Size(CM)
coral stone ivory	60x120 60x60
coral stone beige	60x120 60x60
coral stone light grey	60x120 60x60
coral stone grey	60x120 60x60

Name	Size(CM)
salanto brown	60x120 60x60
salanto beige	60x120 60x60
salanto grey	60x120 60x60



HIGH PERFORMANCE TECHNICAL PRODUCTS
BAREFOOT + ANTISLIP (A+B+C)

The Antislip Barefoot + technology gives vitrified tiles excellent non-slip performance and pleasant feel, with a special roughness imperceptible to the touch.

All products equipped with the Antislip Barefoot + technology become anti-slip in wet conditions, that makes these tiles a must have for indoor areas subject to moisture and outdoor applications.

All products equipped with Barefoot + technology become anti-slip in wet conditions. Barefoot+ is a product designed to achieve Non-Slip surfaces with High Technical Performances. Special Glass-Ceramic Glazes are used to achieve the effect of more pleasant surface texture than traditional Anti Slip Tiles. It also has excellent Mechanical Characteristics.



Slip Resistance Results



Technical Properties:





brycle

Floor: bryce anthracite 60x60 cm



brycle

Floor: brycle gold 60x60 cm

brycle



brycle anthracite



brycle gold

sierra stone



sierra light grey



sierra grey



sierra gris

borgogna stone



borgogna beige



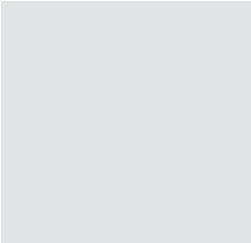
borgogna griega



VITRIFIED TILES

Matt • Rectified • heavy Structure

60x60 cm
23.62”x23.62”



fashion stone



fashion beige



fashion clay

Name	Size(CM)
brycle anthracite	60x60
brycle gold	60x60
sierra light grey	60x60
sierra grey	60x60
sierra gris	60x60

Name	Size(CM)
borgogna beige	60x60
borgogna griega	60x60
fashion beige	60x60
fashion clay	60x60





IGNEOUS COLLECTION

Igneous is highly durable and has very good technical properties. It is suitable for areas having high footfall like heavy commercial areas, lobby areas, clubs & restaurants, etc.

It has very high scratch and abrasion resistance and also maintains its natural finish.

Why Chose Igneous?

- High Degree of Hardness: Igneous has a very high value of hardness level of 9 on Mohs scale of hardness. It makes it extremely scratch resistant, and thus make it suitable for heavy commercial areas.
- High Abrasion Resistance: Igneous has highest abrasion resistance level of PEI -5 as per ISO 10545-7. The surface of the tile will not get worn out due to daily usage in both commercial and residential areas.
- Easy to clean & maintain: Igneous has highest degree of stain resistance of Class 5 as per ISO 10545-14, thereby making the surface easy to clean and maintain.
- Aesthetic : It is available in both Natural & lapatto finish.

VITRIFIED TILES

Matt • Rectified • heavy Structure



Igneous arena



Igneous bianco

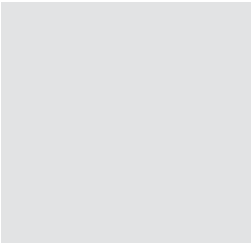


Igneous gris

Name	Size(CM)
Igneous arena	60x60
Igneous bianco	60x60
Igneous gris	60x60

Igneous

60x60 cm
23.62”x23.62”



Floor: igneous arena 60x60 cm



Aaron Collection

Secure Outdoor Lifestyle



RAK CERAMICS takes outdoors one step further by adding something that can balance your designs, creating never-seen-before spaces. Our tiles are a combination of strength and trendy colors, allowing the creation of perspectives in exterior spaces. These tiles redefine the way we perceive outdoor spaces.

We make tiles to deliver the ultimate experience for every place. Our outdoor tiles create a stylish ambiance while giving an optimum performance with its diverse features that make an outdoor space safe and comfortable.

diabase



Floor: diabase beige 60x120 cm

galicia



Floor: galicia stone lgy 60x120 cm
Wall: galicia stone lgy 60x120 cm

revive concrete

Floor: revive concrete summer sand 60x120 cm



salento



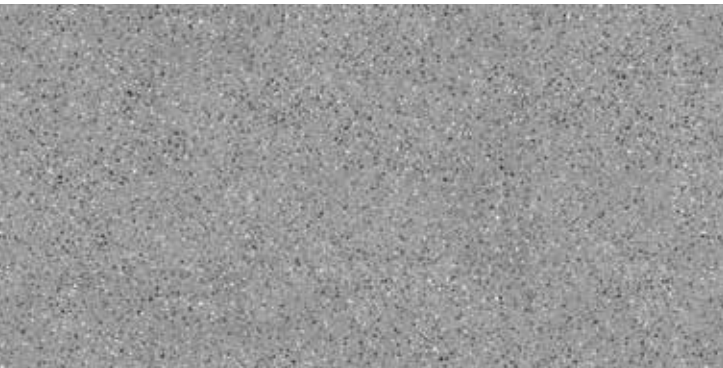
Floor: salento grey 60x120 cm



tahoi

Floor: tahoi brown 60x120 cm

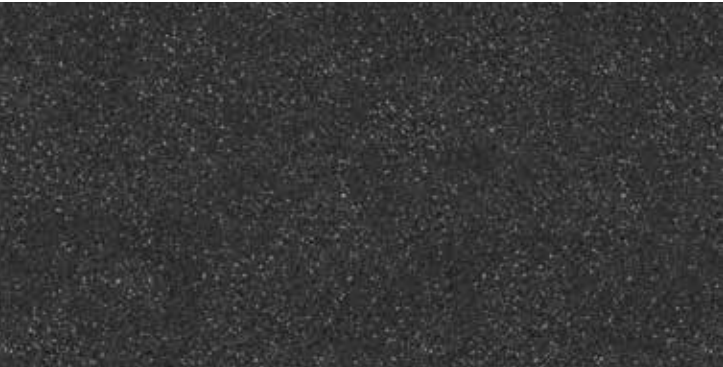
diabase



diabase grey



diabase taupe



diabase black



diabase brown

tahoi



tahoi light grey



tahoi brown



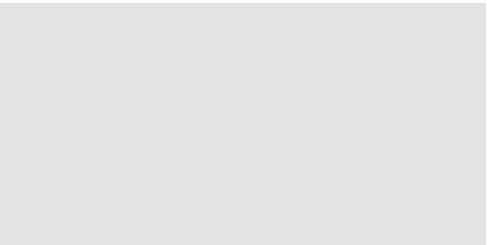
tahoi dark grey

VITRIFIED TILES

Matt • Rectified • heavy Structure

60x120 cm
23.62”x47.24”

>|< 15 mm



Name	Size(CM)
diabase grey	60x120
diabase taupe	60x120
diabase black	60x120
diabase brown	60x120
tahoi dark grey	60x120
tahoi brown	60x120
tahoi light grey	60x120
brimham black	60x120
brimham brown	60x120
brimham light grey	60x120

Name	Size(CM)
revive concrete cloud grey	60x120
revive concrete grey	60x120
revive concrete summer sand	60x120
revive concrete blade beige	60x120
salento beige	60x120
salento brown	60x120
salento grey	60x120
galicia stone light grey	60x120
galicia stone dark grey	60x120
galicia stone beige	60x120

Outdoor



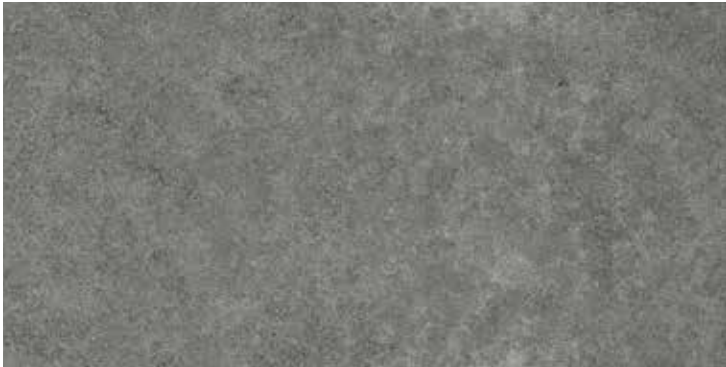
brimham



brimham light grey



brimham brown



brimham black

revive concrete



revive concrete cloud grey



revive concrete blade beige



revive concrete grey



revive concrete summer sand

salento



salento beige



salento grey



salento brown

galicia stone



galicia stone light grey



galicia stone dark grey



galicia stone beige



Metal

All the variations of a fascinating material

RAK Ceramics celebrates the dramatic effects and contrasting colours created during the ageing process of raw metal. With a bold and arresting appearance, the Metal collection for wall and floor, is perfect for urban and industrial settings.

Metal-effect tiles are offered in a wide range of plain and decor range: roughly ground steel, aged bronze, rusty metal sheet, etc. The range perfectly matches with any interior and decorative style, giving life to spaces that are both elegant and surprising.

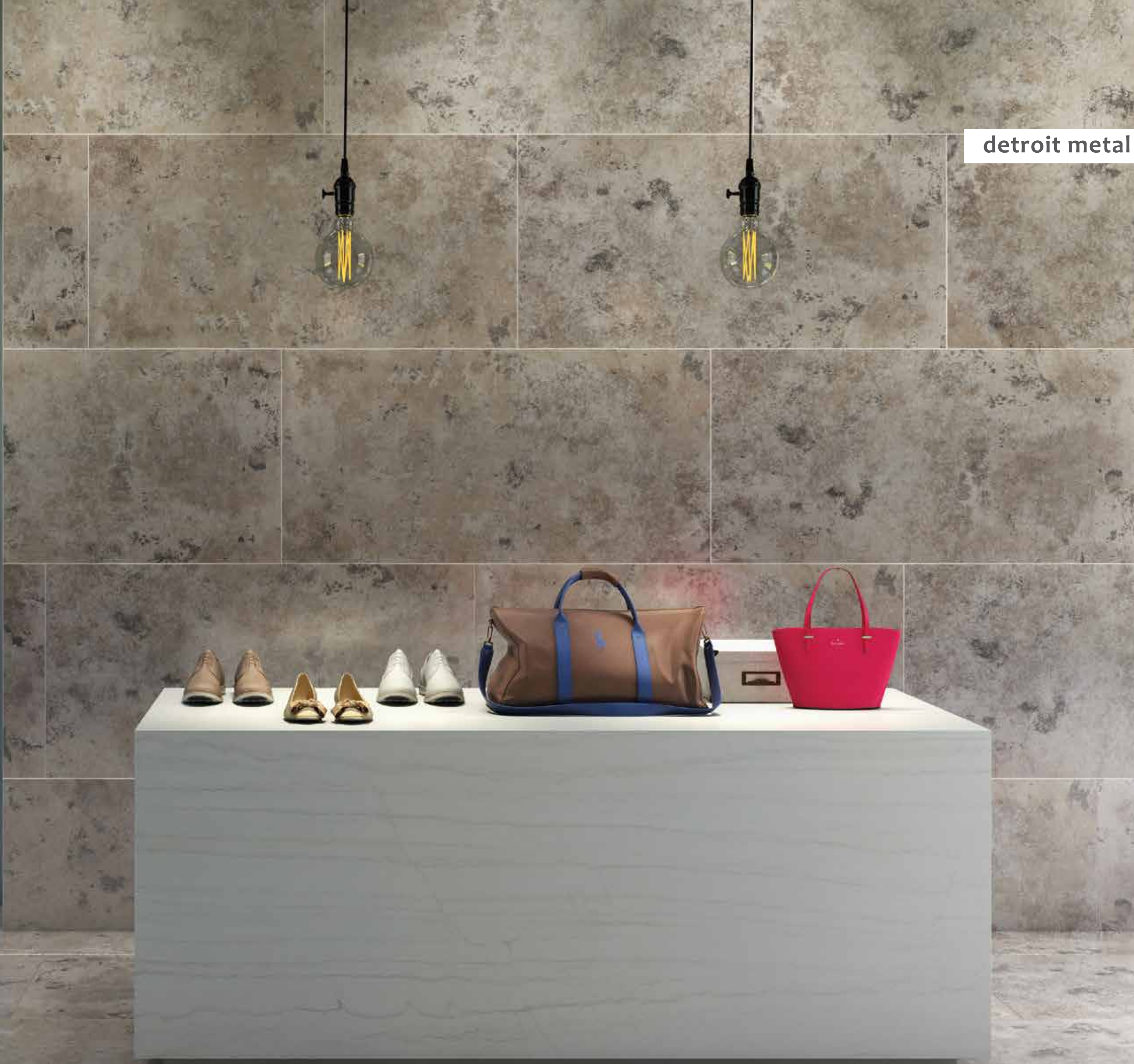


detroit metal

Floor:Detroit brown 60x120 cm



Floor: Detroit beige 60x120 cm
Wall: Detroit beige 60x120 cm



detroit metal

VITRIFIED TILES

Matt • Rectified • heavy Structure



detroit metal beige



detroit metal brown



detroit metal grey



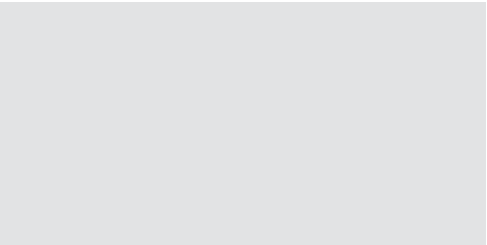
detroit metal light grey



detroit metal taupe

detroit metal

60x120 cm
23.62”x47.24”



Name	Size(CM)
detroit metal beige	60x120
detroit metal brown	60x120
detroit metal beige	60x120
detroit metal brown	60x120
detroit metal taupe	60x120



evoque metal

Floor: Evoque Metal Brown 60x60 cm





evoque metal

Floor: Evoque Metal Ice 60x60 cm

evoque metal



Floor: Evoque Metal Grey 60x60 cm

VITRIFIED TILES

Matt • Rectified • heavy Structure



evoque metal grey



evoque metal ice

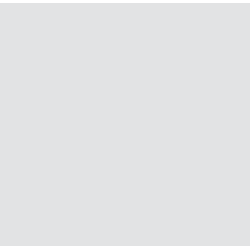


evoque metal Brown



evoque metal green

60x60 cm
23.62"x23.62"



evoque metal



Name	Size(CM)
evoque metal grey	60x60
evoque metal ice	60x60
evoque metal brown	60x60
evoque metal green	60x60



Series 8

Premier Lifestyle



RAK Ceramics has always been at the forefront of Technical Gres Vitrified tiles. Thanks to the updated technology, RAK Ceramics opens up new perspectives in the field of major projects, both for residential and commercial, and reaffirms a brand of absolute value.

This collection is one of the most modern high-performing variety of Vitrified tiles with unique characteristics and limitless applications.

Natural, structured and polished materials of great aesthetic value to provide architects and interior designers the perfect solution for their contemporary design needs.

STONE

series 8

HIGH PERFORMANCE TECHNICAL PRODUCTS



Floor: Curton Taupe 60x120 cm

Curton



Floor: Curton grey 60x120 cm
Wall: Curton white 60x120 cm

lapideus

Floor: Lapidus black 60x120 cm



lapideus

Floor: Lapidus dark grey 60x120 cm



lava concrete



Floor: Lava concrete beige 60x120 cm



lava concrete

Floor: Lava Concrete dark Grey 60x120 cm

silver stone

Wall: Silver Stone Black 60x120 cm
Wall: Silver Stone Beige 60x120 cm



silver stone

Floor: Silver Stone Beige 60x120 cm



valley stone



Floor: valley stone beige 60x120 cm



valley stone

Floor: valley stone beige 60x120 cm

FULL BODY VITRIFIED TILES

Matt • Rectified • heavy Structure



Curton White



Curton Beige



Curton grey

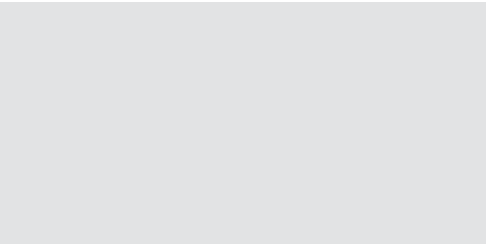


Curton taupe



SERIES 8

60x120 cm
23.62"x47.24"



Curton



Name	Size(CM)
curton white	60x120
curton beige	60x120
curton grey	60x120
curton taupe	60x120

FULL BODY VITRIFIED TILES

Matt • Rectified • heavy Structure



lapideus white



lapideus black



lapideus slate grey



lapideus dark grey



lapideus beige



lapideus original

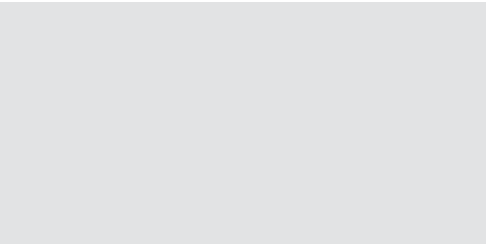


lapideus pece



SERIES 8

60x120 cm
23.62"x47.24"



Lapideus

Name	Size(CM)
lapideus white	60x120
lapideus black	60x120
lapideus slate grey	60x120
lapideus dark grey	60x120
lapideus beige	60x120
lapideus original	60x120
lapideus pece	60x120

FULL BODY VITRIFIED TILES

Matt • Rectified • heavy Structure



lava concrete white



lava concrete dark grey



lava concrete light grey

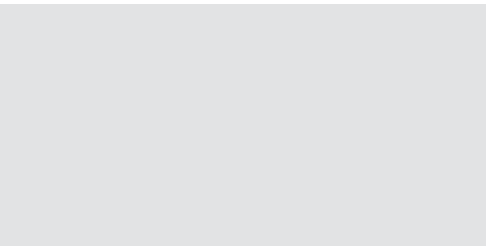


lava concrete beige



SERIES 8

60x120 cm
23.62"x47.24"



Lava Concrete



Name	Size(CM)
lava concrete white	60x120
lava concrete light grey	60x120
lava concrete beige	60x120
lava concrete dark grey	60x120

FULL BODY VITRIFIED TILES

Matt • Rectified • heavy Structure



silver stone white



silver stone black



silver stone grey



silver stone clay



silver stone ivory

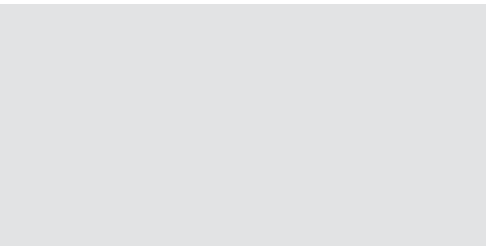


silver stone beige



SERIES 8

60x120 cm
23.62"x47.24"



Silver Stone



Name	Size(CM)
silver stone white	60x120
silver stone black	60x120
silver stone grey	60x120
silver stone clay	60x120
silver stone ivory	60x120
silver stone beige	60x120

FULL BODY VITRIFIED TILES

Matt • Rectified • heavy Structure



valley stone dark grey



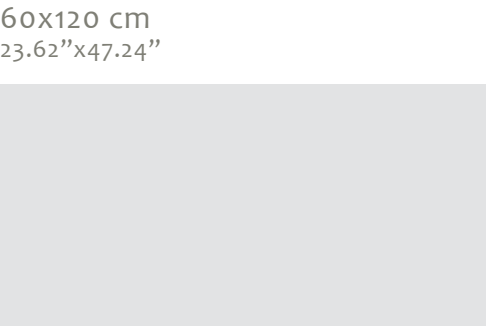
valley stone ligh grey



valley stone beige



SERIES 8



60x120 cm
23.62"x47.24"

Name	Size(CM)
valley stone dark grey	60x120
valley stone ligh grey	60x120
valley stone beige	60x120

Valley Stone





Prism

Vibrant full body tiles - A fusion of colors and finishes

RAK Introduces versatile collection of full body tiles available in both polished and matt finishes, featuring vibrant fluorescent colours that bring life and energy to any space.

prism

Floor: Grey & Cement



prism

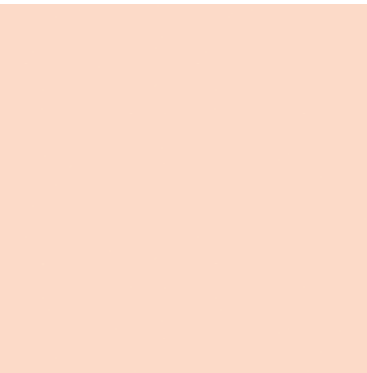
Floor: Prism Pink

FULL BODY VITRIFIED TILES

Matt | Polished • Rectified • heavy Structure



prism beige



prism pink



prism green



prism golden yellow



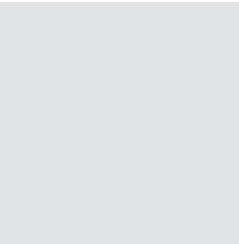
prism grey



prism cement



60x60 cm
23.62"x23.62"



Prism



Name	Size(CM)
prism beige	60x60
prism pink	60x60
prism green	60x60
prism golden yellow	60x60
prism grey	60x60
prism cement	60x60





STAY SAFE WITH
RAK-SANIT

RAK-Sanit, a safe choice

2020: a new revolution of spaces and ways of living in them begins.

A transformation that makes it easy from the design stage, to include new sanitation measures to be able to create living and working spaces in total freedom and safety.

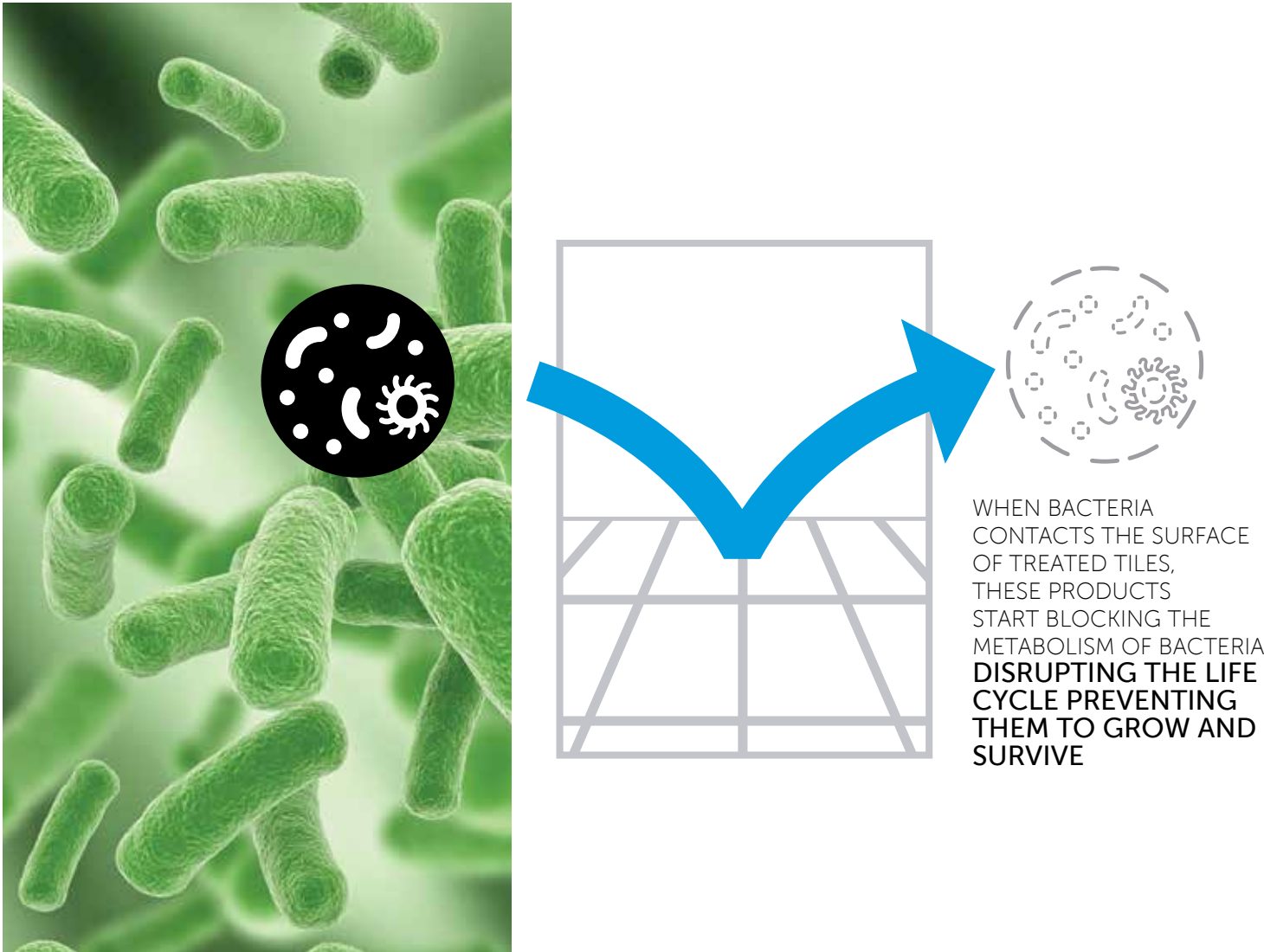
The R&D laboratories of of RAK Ceramics are always at the forefront of technology and were the first in the world to provide antibacterial solutions for interior design in 2009, thanks to the development of special certified antibacterial glazes.

Today, with the new RAK-Sanit program, RAK Ceramics offers an even wider range of solutions for floors, walls and sanitaryware, made with glazes that inhibit the growth of bacteria, thus reducing the possibility of contagion and contributing to create a healthier environment.

RAK-Sanit is the ideal solution for modern and safer schools, public and private offices, restaurants, hotels, laboratories and for all the spaces where hygiene is of primary importance.

RAK-Sanit is a complete solution that includes Gres Vitified and Ceramic tile collections that reduce bacterial contamination and contribute to a healthier living and working environment owing to its antibacterial properties given by silver nitrate compounds.

RAK-Sanit antibacterial collection of wall and floor tiles feature antibacterial technology which is integrated into the tile surface permanently. Once bacteria comes into contact with the tiled surface, the silver ions initiate the elimination cycle. Silver ions in the antibacterial tile surface bind to enzymes, proteins, cell membranes and the DNA of the microbe to damage DNA and block reproduction. This results in the death of the organism.

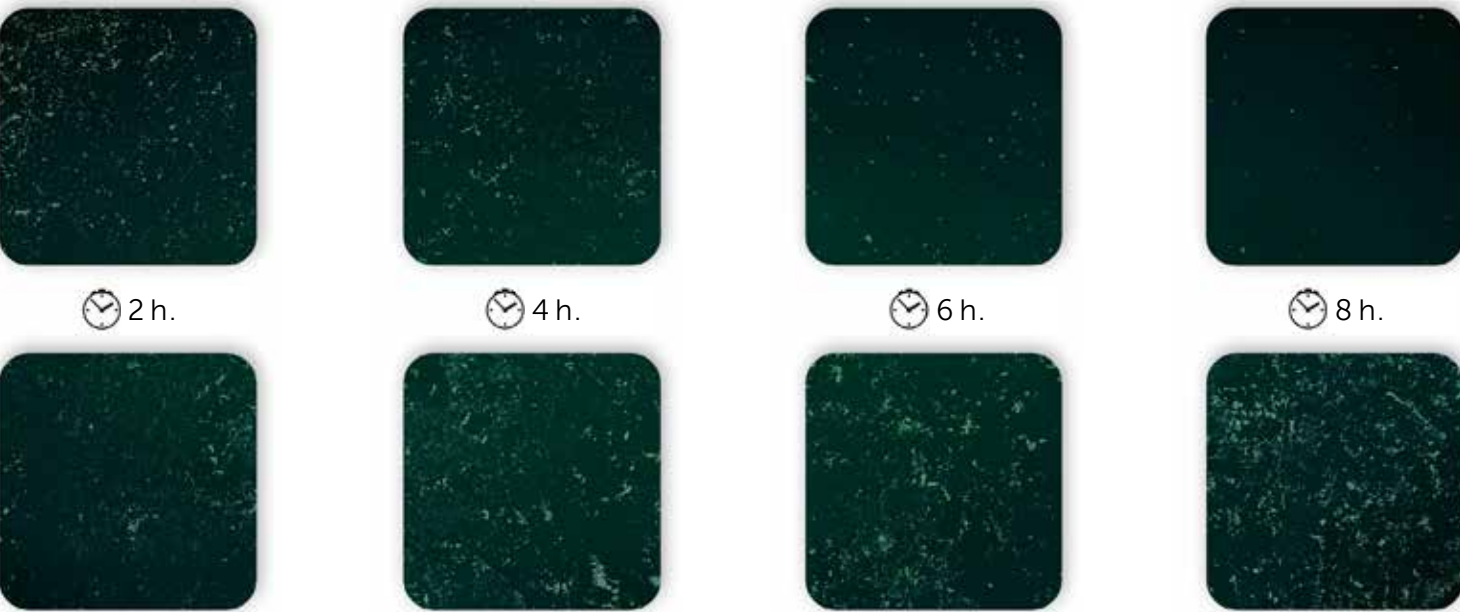


A DEEP PROTECTION, INCORPORATED IN THE TILE

This specialised glaze is incorporated into the glaze on the tile during the manufacturing process. The firing of the glaze into the tile at high temperatures creates a surface that inhabits the growth of microbes that come in contact with the tile.

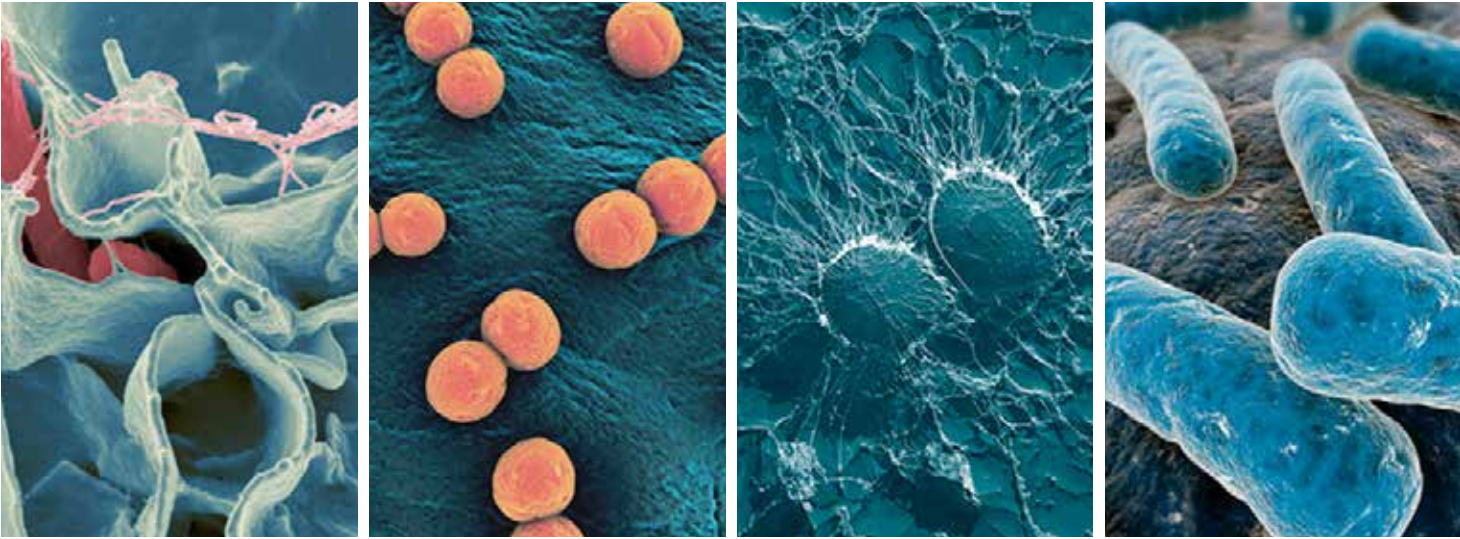
Effective in 8 hours

PROTECTED TILES WITH RAK-SANIT GLAZES



UNPROTECTED TILES WITH REGULAR GLAZES

HIGHLY EFFECTIVE AGAINST UNWANTED PARTNERS



ESCHERICHIA COLI

STAPHYLOCOCCUS AUREUS

LISTERIA MONOCYTOGENES

SALMONELLA

Product Guide

INNOTECH - RAKCERAMICS LAB



The antibacterial revolution



Antislip surfaces for indoor and outdoor application



Highly technical and extremely versatile surfaces

INNOTECH - RAKCERAMICS LAB



Vitrified tile that is as real as natural marble



Translucent tiles for special environments



Heat adaptive technology on vitrified tiles

ICONS

TYPOLOGY

VT

VITRIFIED
TILES

FB

FULL BODY
VITRIFIED TILES

EDGE

RECTIFIED

SURFACE STRUCTURE

S

SMOOTH

LS

LIGHT
STRUCTURE

HS

HEAVY
STRUCTURE

FINISH

N

NATURAL

L

LAPPATO

FL

FULL
LAPPATO

P

POLISHED

SURFACE LOOK

M

MATT

S

SATIN

G

GLOSSY

HG

HIGH
GLOSSY

COLOUR VARIATIONS

V1

EVEN

V2

LIGHT

INDICATIONS FOR USE

WALL TILES

FLOOR TILES

COUNTERTOP
SURFACE

SUGGESTED APPLICATIONS

DOMESTIC
PURPOSE

LIGHT
COMMERCIAL
TRAFFIC AREA

TECHNICAL MANUAL

TECHNICAL CHARACTERISTICS - VITRIFIED TILES (BIa - GL)

Test Description		Standard Test Method	IS 13006:2018 Specification	RAK Ceramics Specifications	
				(Rectified)	(Unrectified)
	Length & Width	BS EN ISO 10545-2	+/- 0.6%	+/- 0.1%	+/- 0.3%
	Thickness	BS EN ISO 10545-2	+/- 5.0%	+/- 5.0%	+/- 5.0%
	Rectangle Squareness	BS EN ISO 10545-2	+/- 0.5%	+/- 0.2%	+/- 0.4%
	Straightness of sides	BS EN ISO 10545-2	+/- 0.5%	+/- 0.2%	+/- 0.3%
	Surface Flatness	BS EN ISO 10545-2	+/- 0.5%	+/- 0.3%	+/- 0.3%
	Water Absorption	BS EN ISO 10545-3	<=0.50%	<=0.50%	Avg. <0.08%
	Modulus of Rupture	BS EN ISO 10545-4	>=35 N/mm2	>=40 N/mm2	>=40 N/mm2
	Breaking Strength	BS EN ISO 10545-4	>=1300N	>=1600N	>=1600N Min. 6000 N (Aaron)
	Resistance to surface abrasion	BS EN ISO 10545-7	Manufacturer to state Abrasion Class	PEI Class 2 -5	PEI Class 2 -5
	Linear Thermal Expansion	BS EN ISO 10545-8	<=9x10 ⁻⁶ /C ¹	<=7x10 ⁻⁶ /C ¹	<=7x10 ⁻⁶ /C ¹
	Resistance to Thermal Shock	BS EN ISO 10545-9	No visible defect	No visible defect	No visible defect
	Crazing Resistance	BS EN ISO 10545-11	No crazing	No crazing	No crazing
	Frost Resistance	BS EN ISO 10545-12	No visible damage	No visible damage	No visible damage
	Resistance to chemicals	BS EN ISO 10545-13	No visible defect	No visible defect	No visible defect
	Resistance to stains	BS EN ISO 10545-14	Manufacturer to state class	Stain removed Min.class 4	Stain removed Min.class 4
	Colour Resistance to UV Light	DIN 51094	No change in colour	No change in colour	No change in colour

Note : Shade variation across the batches is inherent to the manufacturing process and the pre-laying colour comparison is recommended

TECHNICAL MANUAL

Technical specifications - 135x305 cm

TEST DESCRIPTION	STANDARD TEST METHOD	STANDARD REQUIREMENTS	RAK CERAMICS SPECIFICATION	
			Porcelain Tiles (Natural) 14 MM THICKNESS 135X305	Full Body Porcelain Tiles (Natural/ Polished) 14 MM THICKNESS 135X305
Surface Quality	BS EN ISO 10545-2	A minimum of 95% of the tiles are to be free from visible defects	Minimum of 95% of the tiles are free from visible defects	
Length & Width	BS EN ISO 10545-2	± 1.0mm	± 1.0mm	± 1.0mm
Thickness	BS EN ISO 10545-2	± 0.5mm	± 0.5mm	± 0.5mm
Straightness Of Sides	BS EN ISO 10545-2	± 0.8mm	± 0.8mm	± 0.8mm
Rectangularity	BS EN ISO 10545-2	± 1.5mm	± 1.2mm	± 1.2mm
Surface Flatness: Centre Curvature	BS EN ISO 10545-2	± 1.8mm	± 1.8mm	± 1.8mm
Surface Flatness: Edge Curvature	BS EN ISO 10545-2	± 1.8mm	± 1.5mm	± 1.5mm
Surface Flatness: Warpage	BS EN ISO 10545-2	± 1.8mm	± 1.5mm	± 1.5mm
Water Absorption	BS EN ISO 10545-3	≤ 0.5%	≤ 0.4%	≤ 0.1%
Breaking Strength*	BS EN ISO 10545-4	≥ 1300 N ≥ 700 N	≥ 3500 N -	≥ 3500 N -
Modulus Of Rupture*	BS EN ISO 10545-4	≥ 35 N/mm²	≥ 40 N/mm²	≥ 40 N/mm²
Resistance To Deep Abrasion	BS EN ISO 10545-6	≤ 175 mm³	-	≤ 150 mm³
Resistance To Surface Abrasion	BS EN ISO 10545-7	Report abrasion class	PEI CLASS 2-5	-
Coefficient Of Linear Thermal Expansion	BS EN ISO 10545-8	Test method available	≤ 7 X 10 ⁻⁶ /°C	≤ 7 X 10 ⁻⁶ /°C
Resistance To Thermal Shock	BS EN ISO 10545-9	Test method available	No visible defect	No visible defect
Frost Resistance	BS EN ISO 10545-12	Required	No crazing	No visible damage
Resistance To Household Chemicals & Swimming Pool Salts	BS EN ISO 10545-13	Minimum B	No visible damage	Class A No visible effect
Resistance To Low Concentrations Acids & Alkalis	BE EN ISO 10545-13	Manufacturer to state classification	Class A No visible effect	Class LA No visible effect
Resistance To High Concentrations Acids & Alkalis	BS EN ISO 10545-13	Test method available	Class LA No visible effect	Class HA No visible effect
Resistance To Staining (Natural)	BS EN ISO 10545-14	Min. Class 3	Min. Class 4 Stains removed	Min. Class 3 Stains removed
Resistance To Staining (Polished)	BS EN ISO 10545-14	Test method available	-	Min. Class 2 Stains removed

Note: This technical specifications are applicable only to tiles in choice “A”.

* Test performed using 100X100 cm cut pieces from the slab.
* Thickness is nominal

Technical specifications - 120x260 mm

TEST DESCRIPTION	STANDARD TEST METHOD	STANDARD REQUIREMENTS	RAK CERAMICS SPECIFICATION
			6 MM THICKNESS (120x260)
Surface Quality	BS EN ISO 10545-2	A minimum of 95% of the tiles are to be free from visible defects	Minimum of 95% of the tiles are free from visible defects
Length & Width	BS EN ISO 10545-2	± 1.0mm	± 1.0mm
Thickness	BS EN ISO 10545-2	± 0.5mm	± 0.5mm
Straightness Of Sides	BS EN ISO 10545-2	± 0.8mm	± 0.8mm
Rectangularity	BS EN ISO 10545-2	± 1.5mm	± 1.2mm
Surface Flatness: Centre Curvature	BS EN ISO 10545-2	± 1.8mm	± 1.8mm
Surface Flatness: Edge Curvature	BS EN ISO 10545-2	± 1.8mm	± 1.5mm
Surface Flatness: Warpage	BS EN ISO 10545-2	± 1.8mm	± 1.5mm
Water Absorption	BS EN ISO 10545-3	≤ 0.5%	≤ 0.4%
Breaking Strength*	BS EN ISO 10545-4	≥ 700 N	≥ 700 N
Modulus Of Rupture*	BS EN ISO 10545-4	≥ 35 N/mm²	≥ 35 N/mm²
Resistance To Surface Abrasion	BS EN ISO 10545-7	Report abrasion class	PEI CLASS 2-5
Coefficient Of Linear Thermal Expansion	BS EN ISO 10545-8	Test method available	≤ 7 X 10 ⁻⁶ /°C
Resistance To Thermal Shock	BS EN ISO 10545-9	Test method available	No visible defect
Crazing Resistance	BS EN ISO 10545-11	Required	No crazing
Frost Resistance	BS EN ISO 10545-12	Required	No visible damage
Resistance To Household Chemicals & Swimming Pool Salts	BS EN ISO 10545-13	Minimum B	Class A No visible effect
Resistance To Low Concentrations Acids & Alkalis	BE EN ISO 10545-13	Manufacturer to state classification	Class LA No visible effect
Resistance To Staining	BS EN ISO 10545-14	Minimum class 3	Min. Class 4 Stains removed

Note: This technical specifications are applicable only to tiles in choice “A”.

* Test performed using 100X100 cm cut pieces from the slab.
* Thickness is nominal

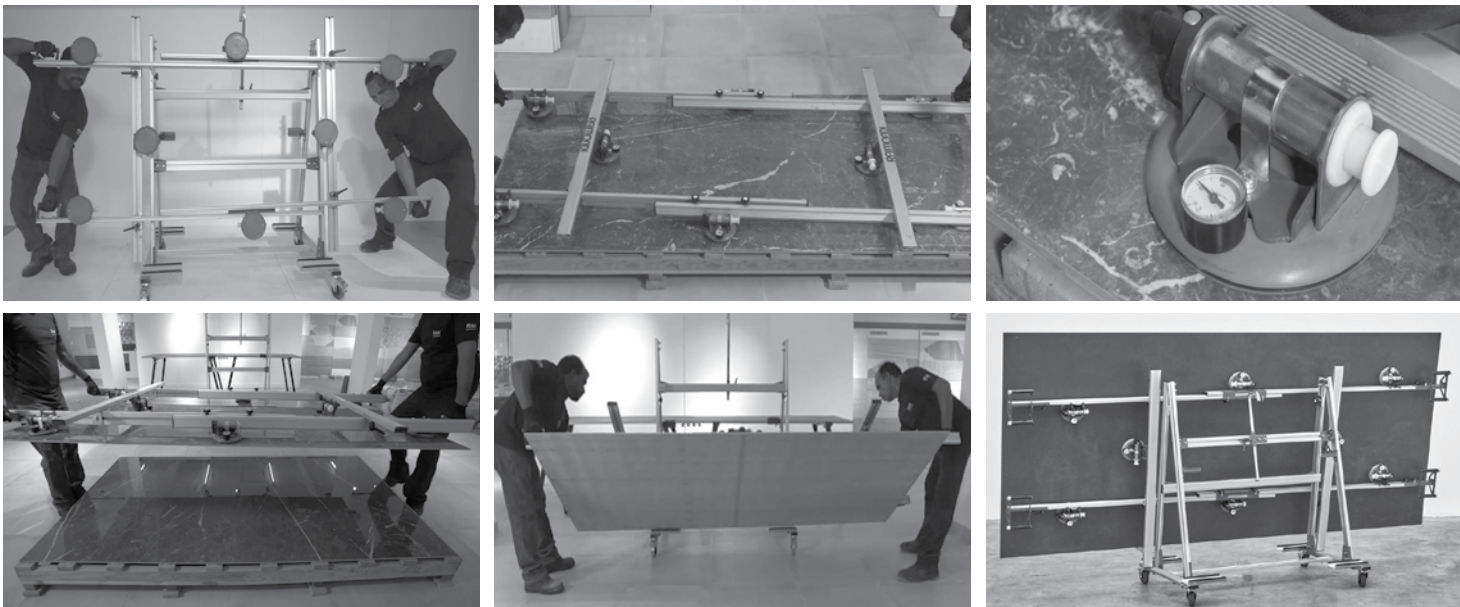
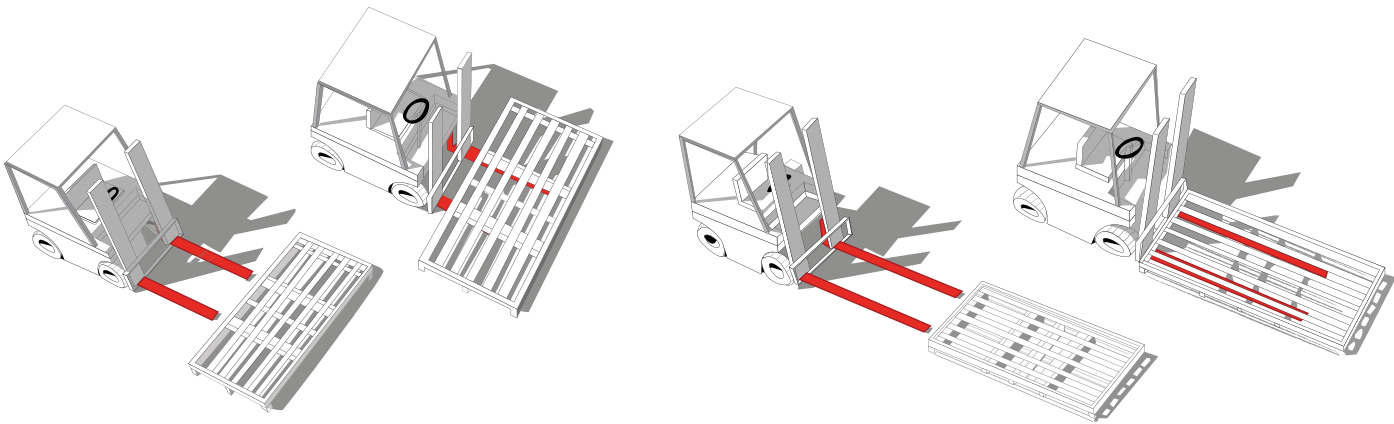
Suggested equipment

HANDLING EQUIPMENT	CUTTING AND DRILLING EQUIPMENT	INSTALLATION AND LEVELLINGEQUIPMENT	CLEANING AND MAINTENANCE
Aluminum Parallel profile with crossbars and Suction Vacuum suction cups with vacuum gauge	Compass device with suction cups for Circular Cuts	Compact Vibrator or Tile Beater	Brooms
Tile Cart Trolley	Free cut guide with complete outfit Max. Cut of length – 156 cm	RLS 3D Clips for tiles	Floats with abrasive pads
Double Suction Cups	Free Cut Extension	Wedges (for Anti- Chipping / Anti-Scratching preventing platforms)	
Modular Work Bench BM180	Cutting off pliers for tile/slabs	Adjustable pliers for wall and floor covering	
Modular Work Bench BM180 BM180 Plus (Perfect Workstation for large format tiles up to 160cm width)	Diamond polishing pad	Low-speed mixer	
	Diamond for edge and side polishing	Rubber Grout floats	
	Diamond Blades for simultaneous cutting and grooving	Slant ridge notched trowel	
		Diamond for edge and side polishing	

TECHNICAL MANUAL

Handling Maximus

- Maximus extra-large format slabs arrive in oversized crates, which require specific Handling equipment to prevent from damage occurring during forklift operation, specific fork sizes must be used. For example, to handle a crate of 135cm x 305cm tiles from the side, 112cm/ 44” long forks are recommended.
- To handle the same crate from the narrow end requires forks that are at least 213cm/ 84” long. Lifting multiple crates with longer forks may require forklifts with a greater lift capacity.
- Specialized tools and equipment are currently available for the handling, installation and cutting of large vitrified surfaces. Innovative trowels with unique notch configurations can help increase the consistency of the mortar coverage on the back of the tile.
- To increase rigidity and limit twisting, use a system composed of parallel and transverse guides.
- For a perfect adhesion clean the slab and the suckers with a damp sponge.
- The suckers run along the guides and adhere to the slab. Make sure that a vacuum is created between the device and the surface.
- A single guide device can be used for sizes of maximum length.
- Use four operators at a time to carry out handling operations of large size slabs.
- Lift the slab along the long side and hang it vertically to the handles of the frame.
- For the large size slab a suitably reinforced trolley is recommended. Set the guides to the trolley for carrying the slab.
- Follow the same procedure for handling the 120x240cm and all other sub-sizes, where only two operators are sufficient.



Cut-to-pieces and drilling

- RAK Ceramics recommends the use of special designed devices for handling as well as cutting and laying of big slabs.
- Handle slab with a proper and professional trolley of aluminum parallel profile with crossbars and vacuum suction cups along with a vacuum gauge. Please use double suction cups for slabs above 300cm. This could make sure that appropriate vacuum is created between the device and the slab. Lift the slab and keep it vertically to the trolley frame.
- Keep the slab on a stable, flat and intractable surface. For successful cutting and drilling, RAK Ceramic recommend using a professional modular workbench with aluminum profiles and proper cutting tools for each type of cut.
- Set the cutting unit on the tile so that the references coincide with the marked lines and lock it with the appropriate suckers. Score the slab from one edge to the other, being carefully maintaining the same pressure while moving.
- When the cut has been made, move the slab until the slit line sticks out a 10 to 15 cm from the workbench. Start hew from both sides using appropriate cutting-off pliers and follow the scoring line to complete the hew.
- Smooth rough edges and sides with an appropriate diamond polishing pad.
- To drill internal cutouts from the slab, first you need to draw the guide lines. For circular cuts, use the compass device with suction cups. For rectangular cut, drill first a 5 – 7 mm hole at the corners of the rectangle shape, using a non-percussion drill. For a better drilling always, keep the surface and drill a little bit wet. Then Follow the drilled lines using a diamond-blade angle grinder and then finish off the edges with a diamond-polishing pad. Round holes (4) must be made in wet drilling, using diamond-blades. Start engraving the surface with a 75 degrees point angle, then straighten out the drill avoiding excessive pressure on the slab. Also, in this case finish with a diamond-polishing pad.
- Manual traction devices are available, in order to make a finishing cut at 45° and thus enable special applications of the material.



CORPORATE OFFICE

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