UPSHOTS 2022

DESIRE | INSPIRE | ADMIRE

Luxuriant Porcelain Surfaces

THE ABSOLUTES

PORCEKO®

PORCELANITE SLAB

PORCEKO®

GENTLY BUILD THE SPACE WHERE DREAMS ARE MADE OF THE PORCELAIN SLAB COLLECTION

Fusion of different designs: marble, wood, cement, semi-precious crystal, are united in a new warm and natural surface. Offering three finishes: ultra gleam, polished and cresta mattè the large format slabs cater to the demands of both modern and contemporary design thanks to the technological quality and innovative aesthetics, which makes the Porceko Porcelain slabs ideal for installation in newly built spaces or for practical applications

+PPS

PORCEKO
PORCELANITE
SLAB

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Table / **Volga Blue I** Quarry Black
Floor / **Pixel White I** Pexelite

A Sustainable High - End Porcelain Surface Depicting the Best of Its Nature
What we call a revolution in the recent times, PORCEKO, was ignited in our minds way back when the culture of large format slabs was invented in the industry. We became fascinated by the idea of discovering and celebrating the extraordinary of every space and surface around us.

With breakthrough research and findings, PORCEKO aims in imparting an alluring effect in the form of exclusive, and yet handy patterns and designs, one could easily catch up with.

We persevere to develop and deliver something truly unique and relevant at your doorstep, with the purpose of giving a sense of clarity and satisfaction to maybe not whole, and a niche only, who would welcome with happy minds and understanding hearts.

THE APPROVAL OF GRACE

Bathroom | Travertine Lakeshore | Lucent

Caring about our wellbeing should be one of the most important practices for a long, happy and healthy life, and we care about your wellbeing. It is said that charity begins at home,
and so is hygiene, that starts with you and us. Bringing in an innovation with the new "CoverX Technology", we have developed a technique to create a pure environment for you - a fit and healthy immune system for all.

The new "CoverX Technology" is designed to enable the product surface not to absorb any
liquid spread on it, called as Spill Proof Surface. The specially crafted technique, protects the
surface from any harmful organisms or unwanted bacteria to grow or live on it.

Ensuring maximum safety and minimum maintenance efforts, we have put in and will always give our greatest attempt to develop a product technology with a higher shield and increased protection
Making your health and safety a first priority always.

+PPS

PORCEKO
PORCELANITE
SLAB

Ideas are incombustible,
and so PORCEKO aims in making a
spill proof surface, that is hygienic,
and ensures maximum safety
and minimum maintenance

A lot happens just
beneath the surface.
PORCEKO has developed
3 surface types, suitable
for building the most
elegant spaces.

Touch and sight are
the senses that guide
the aesthetic and architectural choices
of those who wish to live in
symbiosis with their spaces.

What makes **PORCEKO PORCELANITE SLAB** unique is our **+PPS** working system, which includes 3 phases those are equally important.

Inception

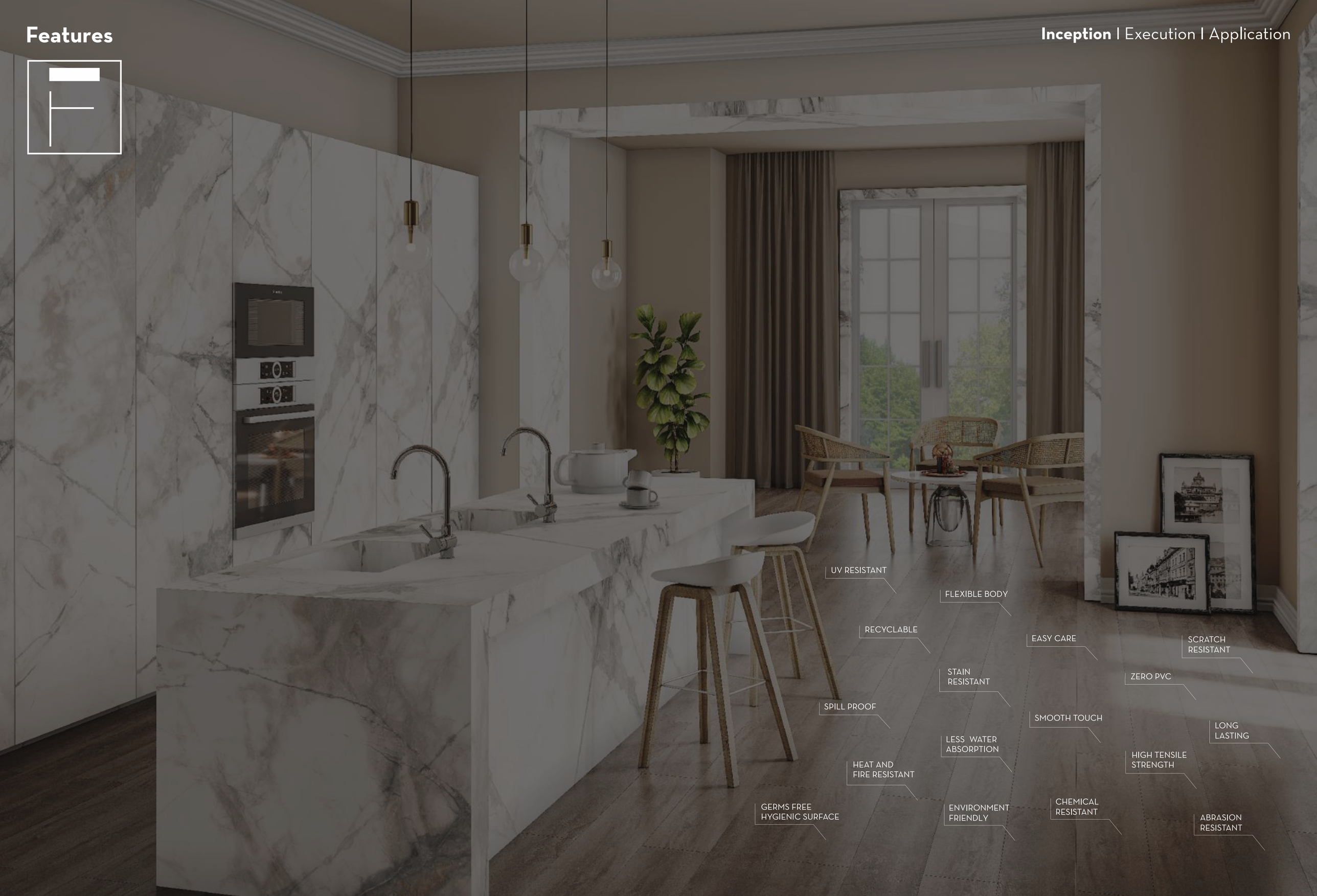
Offering products capable of moulding space is the latest challenge issued by the most advanced technologies in the world of architecture and design. Excellent and versatile materials lend a new form to the surfaces, offering original solutions to inspire creators of and those who wish to live in a naturally elegant environment, It's always the nature, that provides great inspirations for finishes and shades. The final goal is to live and keep with the harmony of the environment

Execution

The new "CoverX Technology" is designed to enable the product surface not to absorb any liquid spread on it, called as Spill Proof Surface. The specially crafted technique protects the surface from any harmful organisms or unwanted bacteria to grow or live on it. Ensuring maximum safety and minimum maintenance efforts, we have put in and will always give our greatest attempt to develop a product technology with a higher shield and increased protection - Making your health and safety a first priority always.

Application

The flexibility of "COVER X Technology" allows the various product collections developed by PORCEKO to be completely adapted to generate projects ranging from simple flooring or coverings for large or small surfaces to object-based applications and furnishing accessories. It is now possible to create genuine products or installations with the added benefits that come with ceramic technology. The very nature of the material also lets designers apply each of these possibilities in indoor and outdoor environments. PORCEKO offers designs that are rare beauty with all of the delights of the most prized marble, rocks eroded by the passing of time and the latest trends in the field.


UV RESISTANT
FLEXIBLE BODY
RECYCLABLE
EASY CARE
SCRATCH RESISTANT
STAIN RESISTANT
ZERO PVC
SPILL PROOF
SMOOTH TOUCH
LONG LASTING
LESS WATER ABSORPTION
HIGH TENSILE STRENGTH
HEAT AND FIRE RESISTANT
GERMS FREE HYGIENIC SURFACE
ENVIRONMENT FRIENDLY
CHEMICAL RESISTANT
ABRASION RESISTANT

Surface

The beauty of the PORCEKO surfaces, is derived from the proximity of polished or matt, shiny spaces, mutually emphasised by the light reflecting on the slabs.

Crestamatte®

Introducing the exceptionally vibrant – "Cresta Matte Surface", that has an unwrinkled matt finish, makes the Porceko Slabs a versatile product to engage in.

Whether looking for an increased durability, or less maintenance efforts, the cresta matte finish slabs are a premier choice to go with. The slabs are super smooth in its touch, thus breaking the myth that matt surfaces are always rough in its texture. Being resistant to any kind of scratches or stains, render the slabs in becoming an ideal solution to be used in any of your spaces.

"Easy to clean with no spots to be seen – The Cresta Matte surface slabs lends a magical feel to all your needs."

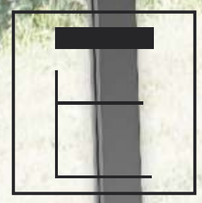
ULTRA GLEAM

Introducing the marble spirited - "Ultra Gleam Surface", the Porceko slab has an eye sparkling mirror like finish, making it a perfect alternative for marbles. The brighter look gives an elegant and spacious view to the ambience. The enamel coating and hard grinding discs, render a sleek surface to the slabs. Highly durable in its surface is what makes the Porceko slabs quintessential solutions for any of your spaces.

POLISHED

The through body porcelain Polished surface lends a subtle glossy finish to be bewitched with. An exquisite Polished Porceko slab possessess colours and chips that cross the whole body of the slab on its surface, enabling the slabs to hide the scratches over it. Composed of the same material throughout, the colour of the top surface passess exactly same to the body , thus imparting a full body feature to the slab. "The unique aesthetic values and technical performance" render the Polish Surface suitable for both residential use and commercial use, even for more demanding stresses.

Edges Possibilities



Double Bevel

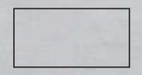
Half Bevel

Half Bull Nose

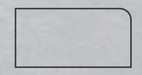
Flat Edge

Full Bullnose

Demi Bullnose



Straight With
Eased Edges



Pencil
Round

Double
Pencil Round

Double Quarter
Round

Square Ride
At 45°

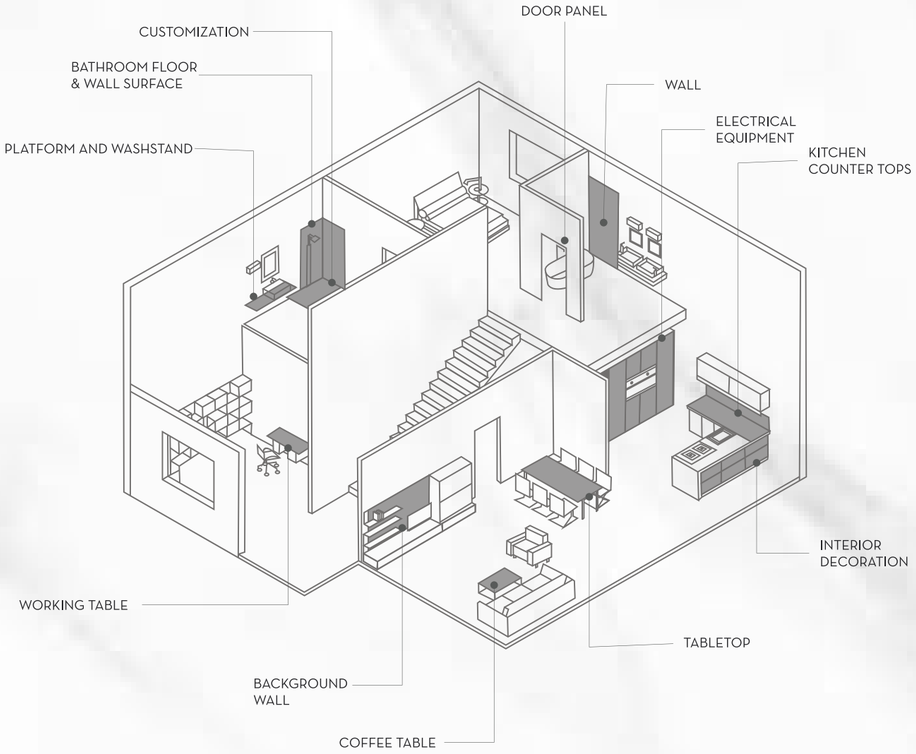
Quarter
Round

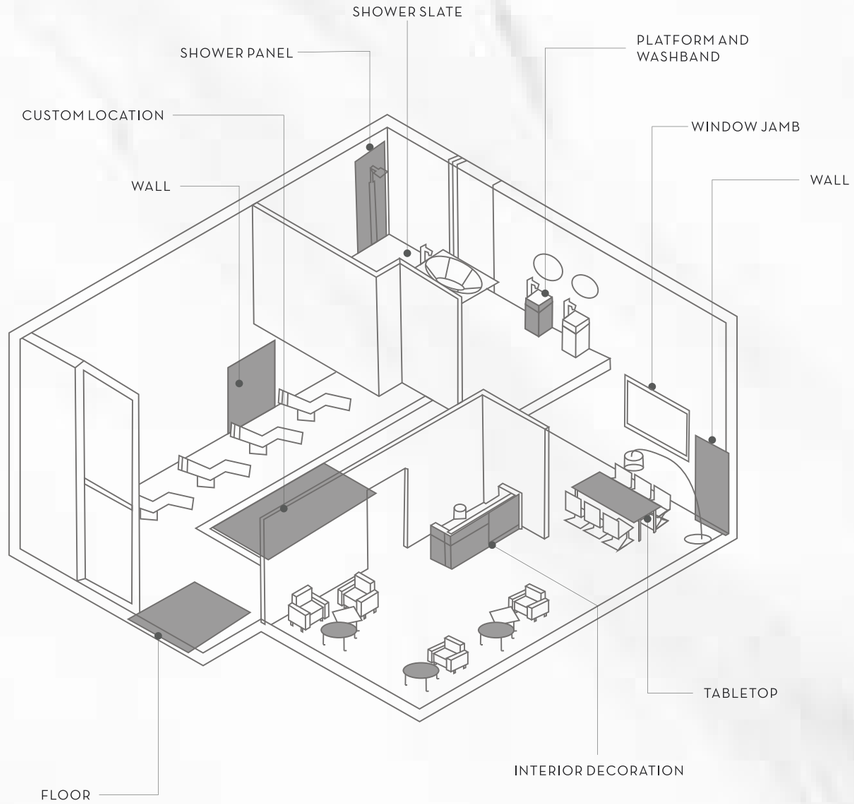
"SANDWICHED
PORCEKO
PORCELANITE SLAB"

Table / **Oscuro Nero** I Neoteric
Floor / **Oscuro Gris** I Neoteric

Application

RESIDENTIAL
SPACE
APPLICATION





PUBLIC
SPACE
APPLICATION

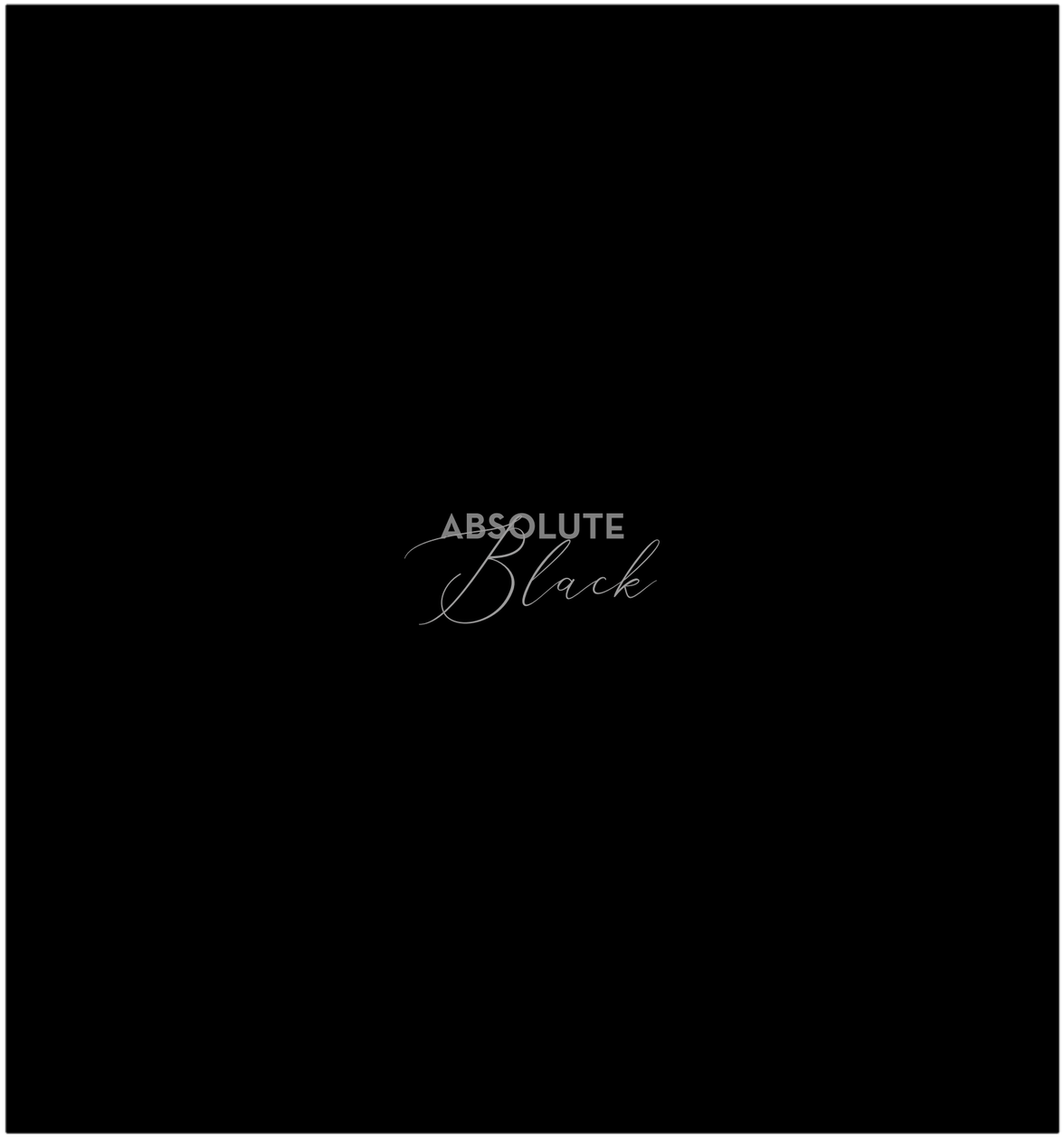
Black is everything and white is more. The absolutes collection is combination of extreme colours that endow any space with passion and style. elegantly illuminating spaces, this collection of Porceko slabs offer the best solution to renovate your decks, providing it with joy and optimism. The absolutes bring the perfect contrast with a classic that never fails to impart versatility to any setting.

THE ABSOLUTES

NANO WHITE

FINISH | ULTRA GLEAM
BODY COLOR | WHITE

Sophisticated
Minimalism



ABSOLUTE BLACK

FINISH | ULTRA GLEAM
BODY COLOR | BLACK

The
Perfect
Blend

LAYOUT/ Description

01
DESIGN
Name of design for ordering

02
COLLECTION
Name of collection for ordering

03
SYMBOLS
Production related specifications described individually below

04
DESIGN DETAIL
Addition technical specification of tile.

05
DIMENSION
The measurement of the length, width and thickness

06
VARIANTS
Design random faces or colour randomness.

SYMBOLS/ Description

Description Of The Symbols
And Classification Used In This Catalogue

M — CRESTA MATTÈ SURFACE
Easy to clean with no spot to be seen, the Cresta Matté Sur face lends unwrinkled matt finish to an ambient.

G — ULTRA GLEAM SURFACE
Phenomenal marble look with strength, Ultra Gleam Surfaces are quintessential solutions with mirror like finish.

P — POLISHED SURFACE
Subtle gloss with high endurance render, Through-Body Polish Sur face makes it suitable for stressful purpose with minimal look.

BODY COLOR
Color of ceramic body beneath surface of slab

G2 — GRAPHIC VARIATION
Indicates the degree of graphic variation —understood as the diversity of designs— within the same collection and it can also vary depending on the format.

V2 — COLOR VARIATION
Indicates the degree of shade variation in the collection. Indicates the variety of tones —understood as the richness of colours— that one same piece can have.

Additional Information

PORCEKO provides a number of different faces for the same item,
to create a pleasant aesthetic variability when fixed.
The order preparation process assures a random face selection.
For this reason neither the vein continuity through the ordered slabs nor
the sequence of the various faces can be guaranteed.
The continuous veining between slabs is subject to the typical variation tolerances of particular products.

ABSOLUTE BLACK THE ABSOLUTES

SIZE
790X3000MM

THICKNESS
15MM

BODY COLOR
BLACK

FINISH
ULTRA GLEAM

COVERAGE
25.51 Sqft

WEIGHT
86 Kgs

NANO WHITE THE ABSOLUTES

SIZE
790X3000MM

THICKNESS
15MM

BODY COLOR
WHITE

FINISH
ULTRA GLEAM

COVERAGE
25.51 Sqft

WEIGHT
86 Kgs

TECHNICAL SPECIFICATION

CHARACTERISTIC	STANDARD AS PER ISO13006:2018/EN14411 Gr.Bla	MEAN VALUE OF PORCEKO	TEST METHOD
Regulatory Properties			
Deviation in Length and Widt	± 0.30 % (±1.00mm)	± 0.10 %	ISO 10545-2
Deviation in Thickness	± 5.00 % (±0.50mm)	± 4.00 %	ISO 10545-2
Straightness in Side	± 0.30 % (±0.80mm)	± 0.10 %	ISO 10545-2
Rectangularity	± 0.30 % (±1.50mm)	± 0.10%	ISO 10545-2
Surface Flatness Central Curvature	± 0.40 % (±1.80mm)	± 0.20 %	ISO 10545-2
Surface Flatness Edge Curvature	± 0.40 % (±1.80mm)	± 0.20 %	ISO 10545-2
Surface Flatness Warpage	± 0.40 % (±1.80mm)	± 0.10 %	ISO 10545-2
Surface Quality	± < 95% defects free	< 95% defects free	ISO 10545-2
Small Color Difference(for Plain Colour)	E > 0.75	E > 0.30	ISO 10545-16
Glossiness (Polished)	as per mfg.	Gloss Value<90	Gloss Meter 60°
Glossiness (Matt)	as per mfg.	3 <Gloss Value>7	Gloss Meter 60°
Glossiness (Satin/Posh)	as per mfg.	7>Gloss Value>18	Gloss Meter 60°
Structural Properties			
Water absorption	≥0.50 %	≥0.060 %	ISO 10545-3
Bulk density	as per mfg.	Min. 2.28 g/cc	ISO 10545-3
Massive Mechanical Properties			
Modulus of Rupture (For ≤15 mm)	Min. 35.0 N/mm^2	Min. 42.0 N/mm^2	ISO 10545-4
Breaking Strength Thickness ≤7.5 (For ≥15 mm)	Min. 1300.0 N	Min. 7500.0 N	ISO 10545-4
Surface Mechanical Properties			
MOH'S hardness #	as per mfg.	Polished Min. 4*/ Satin,Posh & Matt Min. 6	BS EN 15771
Deep abrasion resistance #	Max. 175mm^3	Max. 132mm^3	ISO 10545-6
Thermal Hydrometric Properties			
Moisture expansion	Max. 0.06%(0.6mm/m)	Max. 0.02mm/m	ISO 10545-10
Thermal expansion(COE) at 100°C	as per mfg.	Max. 6.0 x 10^{-6}	ISO 10545-8
Thermal shock resistance	Min. 10 Cycle	Min. 10 Cycle	ISO 10545-9
Impact resistance(COR) #	Min. 0.55	Min. 0.55	ISO 10545-5
Frost resistance	as per mfg.	Frost Proof	ISO 10545-12
Chemical Properties			
Resistance to staining glazed	Min. Class 3	Min. Class 4	ISO 10545-14
Resistance to house hold chemicals & swimming pool salts glazed	Min. Class UB	Min. Class UA	ISO 10545-13
Resistance to low concentrate acid and alkalis glazed	as per mfg.	Min. Class ULB**	ISO 10545-13
Resistance to high concentrate acid and alkalis glazed	as per mfg.	Min. Class UHB**	ISO 10545-13
Safety Properties			
Skid resistance(DCOF-WET PENDULUM) ##	as per mfg.	Glossy P0(<12),Satin, Posh ≤P1(12^{Or}) Matt -P2(25^{Or})	BS 7976-2
Slip Resistance -Satin/ Matt	as per mfg.	R9 to R13	DIN 51130

Parameters are applicable for 1st Choice/Premium Grade Materials Only.

* With Nano polished
** Except Hydrofluoric Acid & it's compound
# Tiles Intended for use on floor
As per customer requirement

PACKING DETAILS

PRODUCT	SIZE	ACTULE SIZE	THICKNESS	TILES / BOX	COVERAGE AREA / BO	
Porcelanite Slab	80x300cm	800x3000mm	15mm	1pc	25.83 Sq ft	2.39 Sq m
Porcelanite Slab	79x300cm	790x3000mm	15mm	1pc	25.51 Sq ft	2.37 Sq m

INSTALLATION

CLEANING & MAINTENCE

After each cutting operation on waterjets, disc cutters, or numerical control machines, clean the slab surface with plenty of water to remove any processing residues, then dry with a squeegee or similar. To eliminate any residues of dust after fabrication, we recommend washing the product using a mild acid based detergent. After installing the material, clean the surface to remove any contaminants (glue or other adhesive residues...) which is present.

TYPE OF STAIN	CHEMICAL PRODUCT	EXAMPLE
Grease	Alkaline - Solvent	Detergent
Oil	Solvent	Ammonia, Backing Soda
Ink	Oxidant - Solvent	Alcohol, Liquid Bleach, Nail Paint Remover
Rust	Acid	Hydrochloric Acid, Vinegar, Red Harpic
Lime	Acid	Descaling Reagent, Hydro Chloric Acid
Cement	Acid	Hydro Chloric Acid
Wine	Alkaline	Ammonia, Liquid Bleach
Coffee	Alkaline - Solvent	Ammonia, Liquid Bleach
Rubber	Solvent	Alcohol, Thinner
Plaster	Acid	Hydro Chloric Acid
Candle Wax	Solvent	Alcohol, Thinner
Iodine	Oxidant	Liquid Bleach
Blood	Oxidant	Liquid Bleach
Ice Cream	Alkaline	Liquid Bleach

NOTE: Clean the affected areas using a soft cloth dampened with acetone or solvent, as indicated by the adhesive manufacturer. If necessary, we recommend protecting the surface of the slab before applying adhesive, with a plastic film or masking tape. Moreover, clean the slab surface after installation with water and neutral detergent using a sponge or damp cloth.

Do not use abrasive sponges or detergents containing abrasives.

Clean liquid spills such as coffee, tea, cola, etc. quickly off the surface with an absorbent cloth For everyday cleaning of the Porceko Porcelanite Slab use hot water and neutral detergents if required, with a soft cloth.

INSTALLATION

Install the Countertop at a distance of 2-3 mm from the wall for Joint.

Porcelain Slab can be fix same as natural Stone and other engineered stone with suitable Bond adhesive and epoxy.

In the design of a kitchen top, maintain a minimum distance of 50 mm (2 inch) from the outer edge with holes and grooves. The same minimum distance must be maintained between adjacent openings.

The countertop edge can be finished using automatic machinery or by hand, depending on the visual effect desired.

The flat edge is the finish that keeps the body edge of the slab visible. It can be used as a perimeter edge for tabletops and kitchen tops, or to finish the sink hole when the sink is fitted beneath the top. Subsequently, where required, it is possible to polish the edge using a sequence of abrasive diamond grinders, with increasing grit size, on numerical control machines. To guarantee the durability of the edge over time, the straight edge must end with a chamfered angle of at least 1 mm. Generally, only the upper corner must be chamfered, but in some cases, it may be necessary to chamfer on both sides: in this case, use a tool that can perform the operation in a single passage.

To join Porceko Porcelanite Slab edges, use a color matched 2-part epoxy, polyurethane, or equivalent. We also recommend that a mock-up be prepared for the first bonding, testing the sample under the most severe conditions, according to the final application, to assess the stability of the support panel.

A Good Craftmanship is always Recommended

Flush

Overlock

The need to add sinks and induction hobs on countertops offers different possibilities.
It is recommended to leave always at least 2mm between the fixture and the edge ofthe cut-out.If it is chosen the over-mount installation, it must be guaranteed the water tightness, sealing the joints correctly with natural silicone. Do not undercut edges more than 4mm.

In the case of installing large format sinks, it is recommended to use a sink setter or support rail system in order to avoid peeling it off or even the breakage of the piece.

Underlay

Overlock

Flush

WATER CUTTING MACHINE (BRIDGE TYPE)

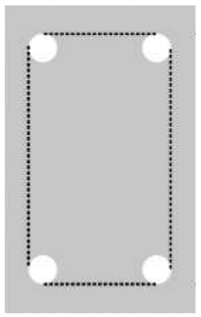
The use of a water jet cutting machine lets us make anytype of cut or drill with a high precision level. The quality ofthe cut finish will depend on the correct combination of the parameters recommended on the table. This combination can be slightly different depending on the available machinery. As with the CNC cutting machine, we shall always start with an initial drill inside the opening space, located preferably in the farthest part from the edge of the piece, when cutting an inner opening. From here we shall cut along the cutting perimeter getting to it with a curved movement. If the edge finish needs to be polished, we recommend reducing to half the speed for a smoother and easy to work finish.

Abrasive	Speed
300-380 g/min	white 0.4 m/min
	other colours

Initial pressure	Maximum pressure
700-800 bar	3500-3800 bar

MANUAL WORK

Some stonemasons or ountertop workers work in a traditional way, making cuts and holes in the pieces manually. We thus recommend always using wet operation, with suitable tools for porcelain tiles, always in good condition.



When making rectangular spaces inside the plate, we shall previously drill out holes on the rectangle's four corners, thus observing the recommended radii, and then making straight cuts joining the four drills.

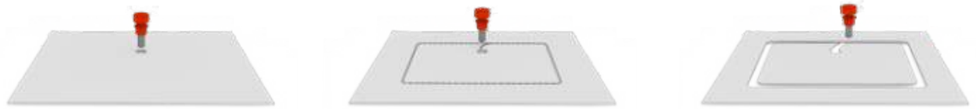
CIRCULAR SAW CUTTING MACHINE

For making straight cuts with the bridge-type cutting machine we shall use diamond cutting blades suitable for porcelain tiles (eg. Italdiamant, Luna Abrasiv, etc.), always in good condition, and follow the blade manufacturer's recommendations. The water flow shall be at its maximum while cutting to ensure the correct cooling of the blade. To avoid overheating in the lighter models, which usually have a higher hardness,

Diameter	rpm approx	Speed
300mm	2100-2800	white 0.5 m/min
350 mm	1900-2500	
400mm	1700-2300	other colours
450 mm	1400-2000	1 m/min
500mm	1200-1600	

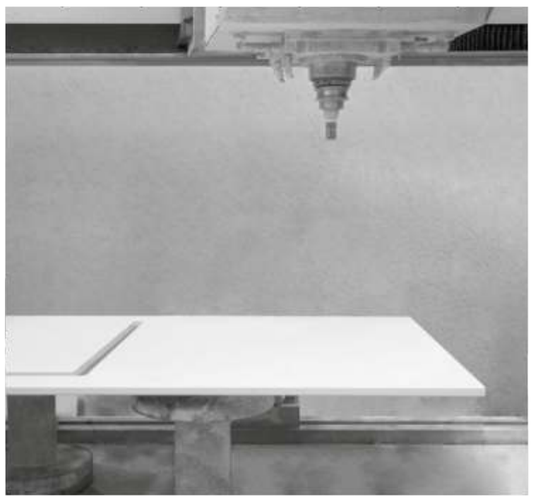
values recommended by

NUMERICAL CONTROL CUTTING MACHINE (CNC)



It is possible to cut holes and inner openings with a numerical control machine and the suitable tools (crown, diamond coated drill bit, etc.). To do this, we shall always start with an initial drill inside the opening space, located preferably in the furthest part from the edge of the piece. From here we shall cut along the cutting perimeter getting to it with a curved movement.

We recommend reducing the speed as the tool comes out. To prevent breakage of the plate during the machining process, the suction cups need to be correctly distributed and at least a couple of them shall be placed so that they prevent the scrap piece from rotating when we finish cutting. We shall avoid blocking the piece with clamps.



	Diameter	rpm approx	Speed
Drill	23mm	3700-4100	0.2m/ min
	15mm	3900-4000	
Crown	20-22-23mm	3500-4000	
	25mm	3000-4000	0.15m/ min
	30-35mm	3000-3500	
	68-70-75-105mm	1000-1500	

values recommended by

UPSHOTS

DESIRE | INSPIRE | ADMIRE | 2022

PORCEKO®

PORCELANITE SLAB

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