

NEOTRA®
ADVANCED SURFACES

ACCORDI



ACCORDI

ARCHITECTURAL SYMPHONY

With Accordi (Italian for "Musical Chords"), Neotra Advanced Surfaces unveils a collection of large slabs that excel both from an aesthetic point of view and for their technical and functional qualities.

Like the instruments of an orchestra, they can be combined to create melodious and harmonious design compositions. Each element of the collection, with its own distinctive material refinement has been carefully engineered to foster dialogues that celebrate the encounter among diversities, amplify sensorial appeal, and generate outcomes whose overall effect is greater than the sum of their parts.

Like architectural symphonies that elevate the nature of spaces, turning them into everyday masterpieces.

Accordi.

Every chord is born in silence.
It joins others, intertwines,
multiplies. And in the rhythm
of encounter, the symphony
takes shape.

Thus architecture becomes
music: a balance of chords
that never know solitude.





HARMONIC MASTERPIECES

The most intense emotions arise where differences meet and reciprocally interplay, reverberating through the senses with unprecedented, inspiring visions.

Architects and designers delight in exploring materials and colors with dialogues that celebrate harmony in diversity.

The Accordi Collection embraces this spirit, offering large slabs for surfaces, furnishings and facades, crafted to form combinations of striking impact.

4 inspirations — **Concrete, Stone, Marble & Wood** — in different colors and sizes, allow you to realize the design visions that enrich spaces with exciting, orchestrated symphonies.

MELODIOUS INSPIRATIONS

Opera

The soft visual and tactile elegance of resin and concrete unfolds in a technologically advanced material, enveloping interiors with warmth and depth. Its surfaces capture light with effects constantly changing and always amazing.

Scala

A stone perfectly balanced between strength and lightness inspire a surface crafted to imbue spaces with a captivating and distinctive character, where beauty and resilience coexist in symbiosis.

Olympico Bianco & Fenice

The purity of the finest Italian marbles merges in a material that celebrates its natural prestige, capturing light with delicacy, and imparting a sense of lightness and timeless refinement to contemporary interiors.

Lirico

The allure of cherished woods sublimates into a material of rare strength and resilience. Flowing veins and soft tonal shifts weave a gentle melody, awakening a sense of warm comfort into everyday spaces.

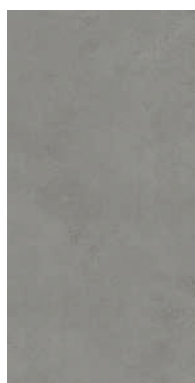
Opera



Mist



Crema



Grey



Beige

Scala



Mist

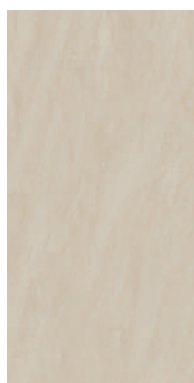


Crema

Fenice



Mist



Crema



Brown

Olympico Bianco



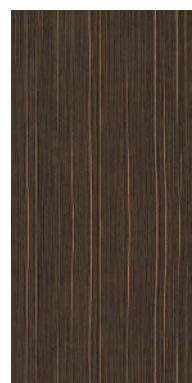
Lirico



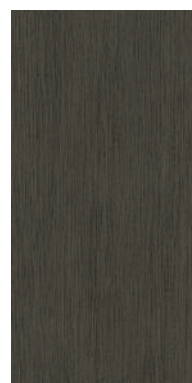
Elkwood



Teak



Ebony



Black Oak

1600x3200

12mm

20mm

1200x3000

5.5mm

1600x1600

12mm



FORMATS FOR ALL NEEDS

Every form of beauty speaks about harmony.
A precise breath, dressing its space with
perfect grace. Allowing the most treasured
chords of its soul to resonate fully.

Every melody has its own rhythm, shaped by the intervals that best evoke lasting emotions. Similarly, the Accordi Collection — offered in three large formats with corresponding thicknesses — is thoughtfully designed to suit a wide range of applications, in a great variety of settings, always providing the most congenial solution.

Thanks to these qualities, architects and designers can exploit all the potential of this versatile array of large slabs to give full flight to their visions, crafting every detail with care and precision. In doing so, each element of their compositions can express a perfect measure of beauty.

SCULPT SURFACE

A delicate rippled texture playing ever-changing light and shadow motifs. A surface that captivates the eye, invites the touch, and imbues spaces with authentic elegance.

In the **concrete** (Opera) and **stone** (Scala) looks, for the 120×300 slab with a 5.5 mm thickness, in addition to the Natural variant, Neotra Accordi is available in the striking Sculpt surface. Its delicate ripple creates a captivating sculptural texture that interacts beautifully with light and shadow, perceptible both to the eye and to the touch.

This finish is ideal for tables, and other furnishing elements, as well as vertical wall coverings, conveying the charm of an authentic material.

A surface to be admired and caressed, echoing the spirit of exclusive craftsmanship that transforms into a refined language of contemporary design.



NEOTRA ADVANCED SURFACES

An innovative material in large slabs,
specifically developed for kitchen worktops,
tables, furniture and exterior facades.

Neotra is composed solely of natural minerals without resins or chemical binders. Absolutely does not emit silica particles. As in the genesis of natural stones, a process of grinding, the strongest pressure and extreme heat firing (around 1200°C) generates a new sintered material.

Extraordinary performances.

Cutting-edge production plants, with the best Italian technologies and machinery make Neotra slabs exceptionally compact, durable and non-absorbent. They are fire resistant and resist acids and detergents. The surface is hygienic, easy to maintain and does not discolour over time and requires no treatment.

Style and aesthetic.

Design and aesthetics exceed the world's best benchmark and merge superb elegance with the highest definition details. The ultra-high resolution digital decoration multiple process allows any aesthetic look, with an absolute degree of realism. Slabs' workability and performance are enhanced by an exclusive mix of raw materials, based on wide know-how of our major International Ceramic Group.

Body colour meets surface.

Depending on the different collections, Neotra creates the body of the slabs in order to have aesthetic and colour continuity with the surface, optimising the result of worktops and tables that have visible edge workings.



Resilient, enduring, and strikingly beautiful.
A surface that nurtures its outstanding
elegance and preserves it over time.

The architectural potential of large slabs reaches new unmatched heights with Neo Invicta Surface. A breakthrough innovation delivering outstanding solidity, inalterability, safety, slip resistance, and application versatility. The perfect alchemy of uncompromising performance and captivating aesthetics.

Outstanding mechanical properties

Offering significantly higher levels of resistance to mechanical stress than other materials on the market, Neotra Invicta Surface gives new meaning to the concepts of hardness and resilience. And thanks to this exceptional solidity, it ensures the long-lasting durability of the creations it enables.

Extraordinary resistance to abrasions

Neo Invicta Surface boasts exceptional resistance to deep and superficial abrasions. This ensures it retains its beauty over time, even when used in kitchens and other environments where surfaces are frequently at risk of contact with sharp and blunt objects.

Unalterable by stains, salts, acids and chemicals

Countertops and other creations made with Neo Invicta Surface are completely resistant to stains, acids, salts, chemicals, and other aggressive agents. This makes them optimal for the most challenging environments, offering full guarantees in terms of durability, performance, and practicality.

Extremely safe, also for floorings

The high slip resistance index of Neo Invicta Surface (R9) makes it an extremely safe solution, optimal to create floor surfaces in settings characterised by the frequent presence of water and humidity.

Excellent everywhere, for all purposes

Neo Invicta Surface is synonymous with excellence in every context, for a wide range of applications. From kitchen tops, tables, and other furnishings, to floor and wall cladding, till to building façades, its exceptional workability, combined with an advanced blend of strength and refinement, assures always to achieve the most effective design solutions.



The utmost solution for experiencing your kitchen routine with complete peace of mind, combining top-level hygiene, cleanliness, and practicality.

Neo Scudo Tech brings peace of mind where life and cooking come together. Designed for kitchen countertops, tables, and other daily work surfaces, it ensures the highest levels of hygiene, healthiness and cleanliness, thanks to its total non-absorbency and absence of harmful substances.

100% Healthy and Hygienic

The advanced design of Neo Scudo Tech makes it completely antiviral, antibacterial, antifungal, and antialgae, capable of repelling liquids and harmful microorganisms and entirely free from any toxic substances.

Totally non-absorbent

The surface of Neo Scudo Tech is defined by its complete absence of porosity, which makes it entirely non-absorbent and prevents the buildup of viruses, bacteria, liquids, and other dangerous organisms or chemical agents. Its perfectly smooth texture also makes it extremely easy to clean, without the need for products that could be potentially harmful to health.

Food Contact Safe

Being completely non-absorbent, made only with natural raw materials free from harmful chemicals, and cleanable without aggressive agents, Neo Scudo Tech is 100% food contact safe.

NSF Certified

For its advanced qualities, Neo Scudo Tech boasts NSF (National Sanitation Foundation) certification, attesting to its outstanding hygiene and safety for food and beverage contact.

Safest by Nature

Neo Scudo Tech is crafted exclusively from carefully selected natural raw materials, completely free from particles and toxic chemicals such as formaldehyde, epoxy resins, VOCs, phenols, bisphenol A, and plasticisers, making it exceptionally healthy and safe.



NSF International certification



PLAY YOUR CHORDS

COMPOSITION
NUMBER #1
Opera, Lirico & Fenice



COMPOSITION
NUMBER #2
Opera & Lirico



COMPOSITION
NUMBER #3
Scala, Opera, Olimpico Bianco & Pastelli



COMPOSITION
NUMBER #4
Scala, Opera & Fenice





COMPOSITION
NUMBER #5
Scala, Opera, Fenice & Pastelli



COMPOSITION
NUMBER #6
Opera, Lirico, Fenice & Pastelli



COMPOSITION
NUMBER #7
Opera, Lirico, Scala & Pastelli

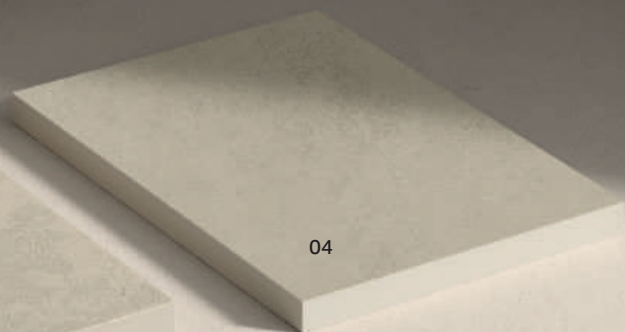
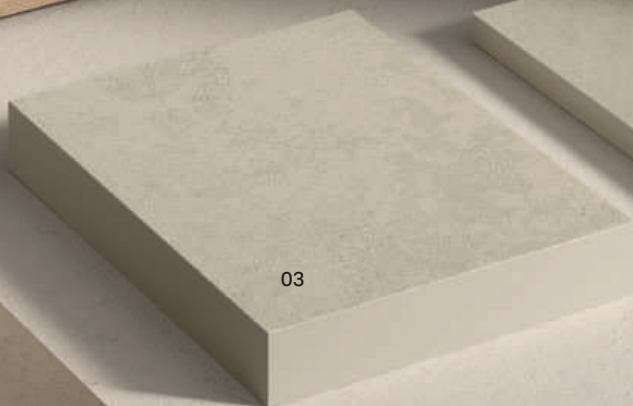
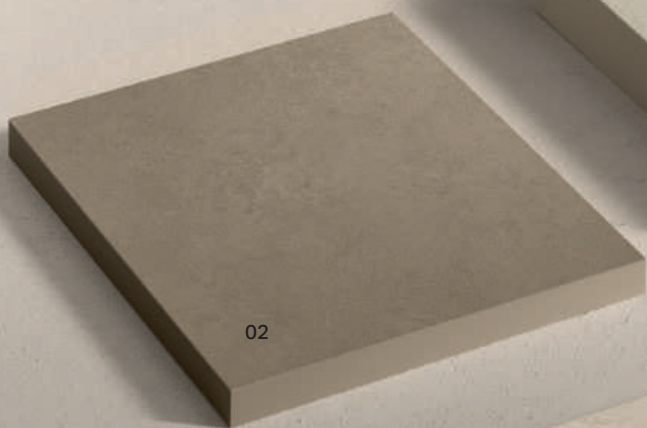


COMPOSITION
NUMBER #8
Opera, Lirico & Pastelli

FIND YOUR SYMPHONY

01: Lirico Teak
02: Opera Beige
03: Opera Crema
04: Opera Crema Sculpt
05: Fenice Crema

COMPOSITION NUMBER #1



WALL: OPERA BEIGE SCULPT - OPERA CREMA SCULPT - FENICE CREMA - 120x300 / 47"x118" 5.5mm
FURNITURE: LIRICO TEAK - 120x300 / 47"x118" 5.5mm
FLOOR: OPERA CREMA - 160x160 / 63"x63" 12mm







WALL: OPERA CREMA SCULPT - FENICE CREMA - 120x300 / 47"x118" 5.5mm
FURNITURE: LIRICO TEAK - 120x300 / 47"x118" 5.5mm



WALL: OPERA BEIGE SCULPT - 120x300 / 47"x118" 5.5mm
FLOOR: OPERA CREMA - 160x160 / 63"x63" 12mm



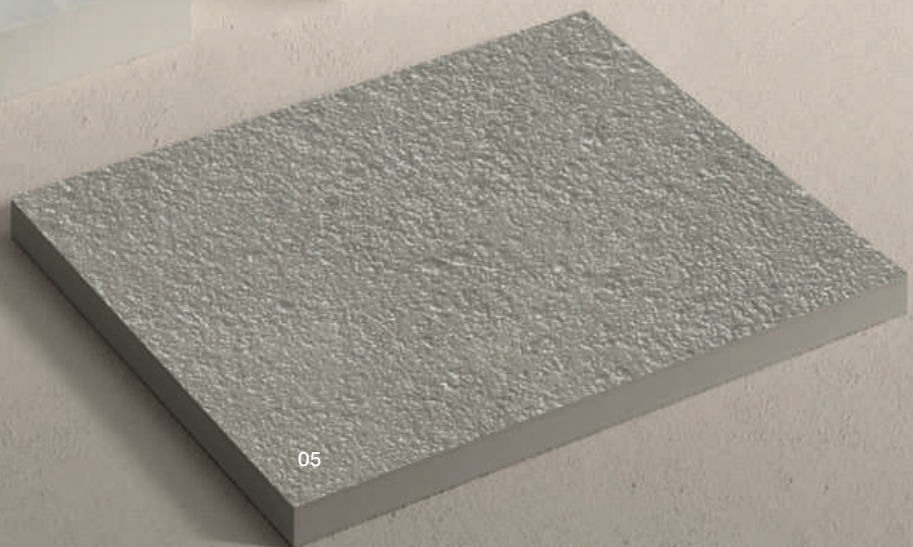
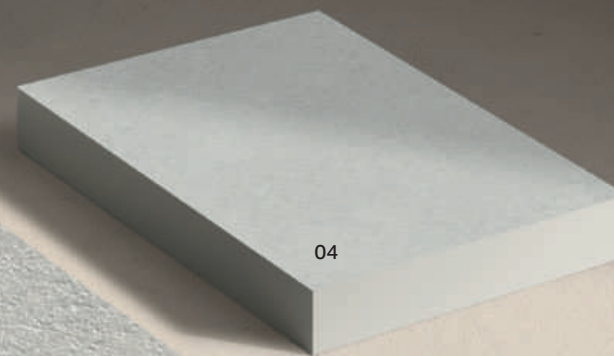
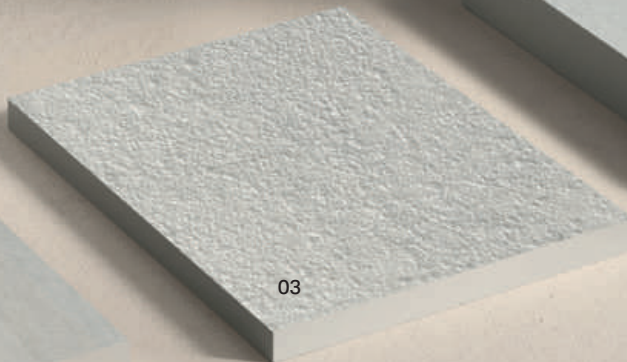
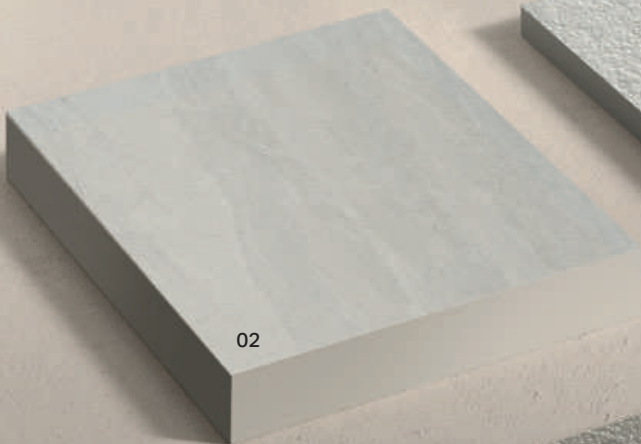
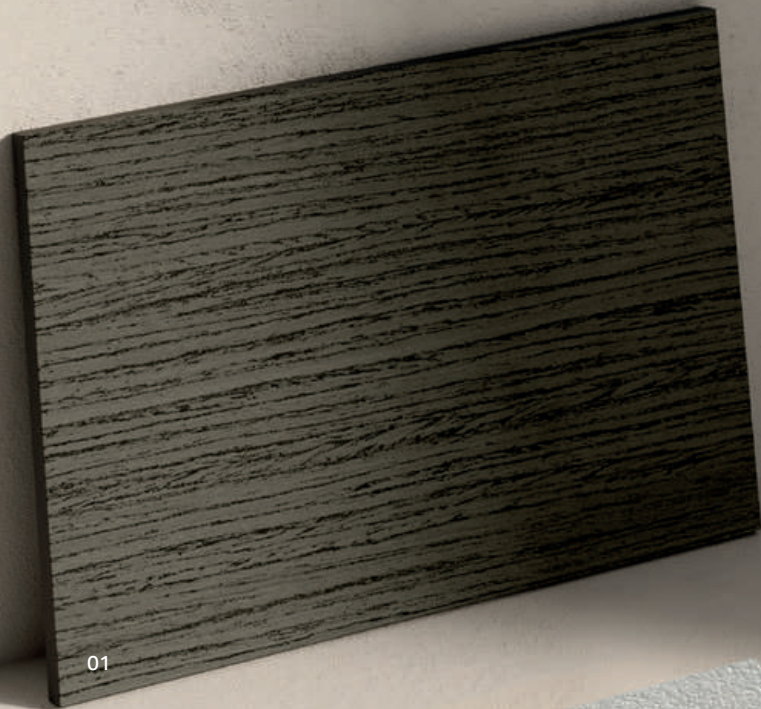
OPERA BEIGE

REDEFINING WELL-BEING

Every element, every detail,
vibrates with carefully crafted
beauty. Together, they give rise
to design harmonies woven
with fulfilling sensations, an
experience of architectural
well-being like never before.

01: Lirico Black Oak
02: Fenice Mist
03: Opera Mist Sculpt
04: Opera Mist
05: Opera Grey Sculpt

COMPOSITION NUMBER #2



WALL, FURNITURE: OPERA GREY SCULPT - LIRICO BLACK OAK - 120x300 / 47"x118" 5.5mm
TOP: FENICE MIST - 160x320 / 63"x126" 12mm
FLOOR: OPERA MIST - 160x320 / 63"x126" 12mm







FURNITURE: OPERA GREY SCULPT - 120x300 / 47"x118" 5.5mm
TOP: FENICE MIST - 160x320 / 63"x126" 12mm
FLOOR: OPERA MIST - 160x320 / 63"x126" 12mm



TOP: FENICE MIST - 160x320 / 63"x126" 12mm
WALL, FURNITURE: OPERA GREY SCULPT - LIRICO BLACK OAK - 120x300 / 47"x118" 5.5mm



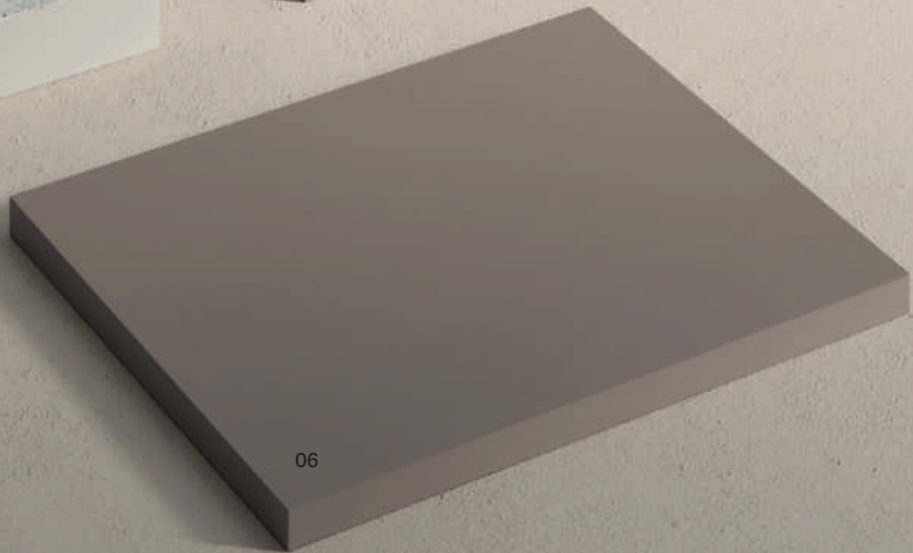
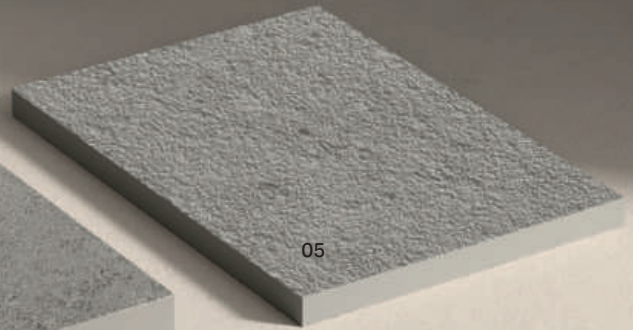
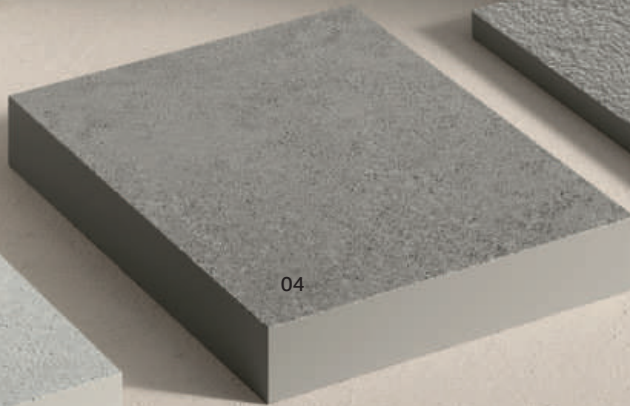
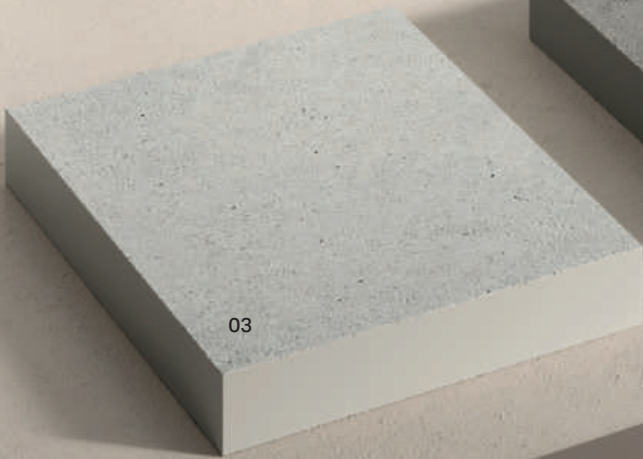
FENICE MIST

A PROMISE LASTING FOREVER

Practicality and durability reach levels of sophistication previously unimaginable, so that the surfaces, embodying these qualities in their very essence, awaken a promise of charm destined to be cherished forever.

01: Scala Mist Sculpt
02: Olimpico Bianco
03: Opera Mist
04: Opera Grey
05: Opera Grey Sculpt
06: Pastelli Fango

COMPOSITION NUMBER #3



TOP: OPERA MIST - 160x320 / 63"x126" 12 mm
COUNTER, WALL: OLYMPICO BIANCO BOOKMATCH-2 - 160x320 / 63"x126" 12mm - PASTELLI FANGO - 160x160 / 63"x63" 12mm
BACKSPLASH, FURNITURE: OPERA GREY SCULPT - 120x300 / 47"x118" 5.5mm - OPERA GREY - 160x320 / 63"x126" 12 mm
FLOOR: OPERA GREY - 160x160 / 63"x63" 12mm







TOP: SCALA MIST - 160x320 / 63"x126" 20 mm
BACKSPLASH: OPERA GREY SCULPT - 120x300 / 47"x118" 5.5mm
FURNITURE: SCALA MIST SCULPT - 120x300 / 47"x118" 5.5mm



COUNTER: OLYMPICO BIANCO - 160x320 / 63"x126" 12mm
FURNITURE: SCALA MIST SCULPT - 120x300 / 47"x118" 5.5mm
FLOOR: OPERA GREY - 160x160 / 63"x63" 12mm

TOP: OPERA MIST - 160x320 / 63"x126" 12 mm
COUNTER: OLYMPICO BIANCO - 160x320 / 63"x126" 12mm
WALL: OLYMPICO BIANCO BOOKMATCH-2 - PASTELLI FANGO - 160x160 / 63"x63" 12mm
FURNITURE: OPERA GREY - 160x320 / 63"x126" 12 mm
FLOOR: OPERA GREY - 160x160 / 63"x63" 12mm







OLYMPICO BIANCO

EVERYDAY MASTERPIECES

The prestige of marble takes on a new form of expression with Accordi Olimpico Bianco, shaped with meticulous aesthetic care and mindful attention to performance, unveiling a beauty that stands the test of time.

01: Fenice Brown
02: Opera Beige
03: Opera Crema
04: Scala Crema
05: Fenice Crema

COMPOSITION NUMBER #4



TOP: OPERA CREMA - FENICE BROWN - 160x320 / 63"x126" 12mm
WALL, BACKSPLASH, FURNITURE: FENICE CREMA - OPERA BEIGE - 160x320 / 63"x126" 12mm - FENICE CREMA 120x300 / 47"x118" 5.5mm
FLOOR: SCALA CREMA - 160x160 / 63"x63" 12mm







TOP: FENICE BROWN - 160x320 / 63"x126" 12mm
FLOOR: SCALA CREMA - 160x160 / 63"x63" 12mm



TOP: OPERA CREMA - 160x320 / 63"x126" 12mm
BACKSPLASH, FURNITURE: FENICE CREMA - OPERA BEIGE - 160x320 / 63"x126" 12mm -
FENICE CREMA 120x300 / 47"x118" 5.5mm
FLOOR: SCALA CREMA - 160x160 / 63"x63" 12mm



OPERA CREMA

A NEW BENCHMARK OF DESIGN

In their rich tapestry of details and subtle nuances, the essence of natural materials like stones evoked by Accordi Scala transforms surfaces into works of art. Sensory masterpieces to admire every day.

01: Fenice Crema
02: Scala Crema
03: Opera Crema Sculpt
04: Opera Beige Sculpt
05: Pastelli Oliva

COMPOSITION NUMBER #5



01

02

03

04

05

TOP, SHELVES AND BACKSPLASH: FENICE CREMA - 160x320 / 63"x126" 12mm
WALL AND FURNITURE: OPERA CREMA SCULPT - PASTELLI OLIVA - 120x300 / 47"x118" 5.5mm
FLOOR: SCALA CREMA - 160x160 / 63"x63" 12mm







WALL AND FURNITURE: OPERA CREMA SCULPT - 120x300 / 47" x 118" 5.5mm
 FLOOR: SCALA CREMA - 160x160 / 63"x63" 12mm



TOP, SHELVES AND BACKSPLASH: FENICE CREMA - 160x320 / 63"x126" 12mm
FURNITURE: PASTELLI OLIVA - 120x300 / 47"x118" 5.5mm
FLOOR: SCALA CREMA - 160x160 / 63"x63" 12mm



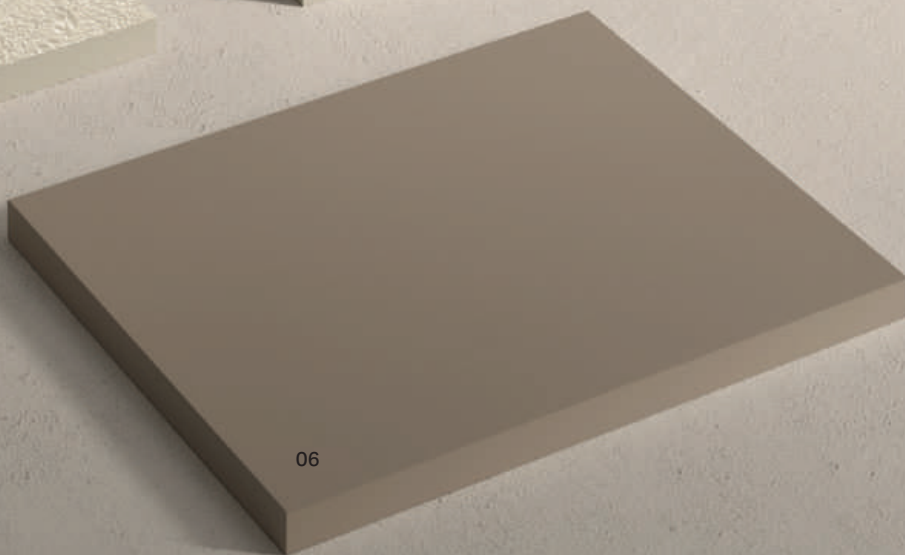
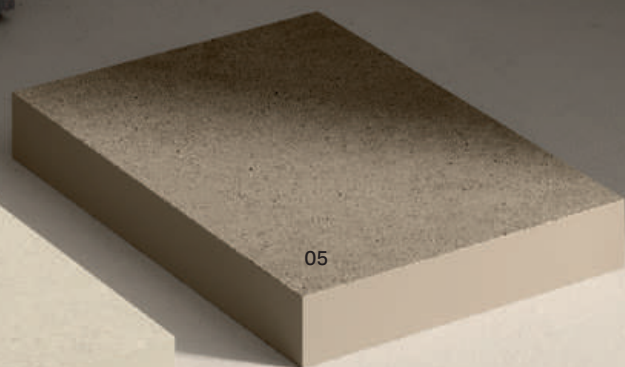
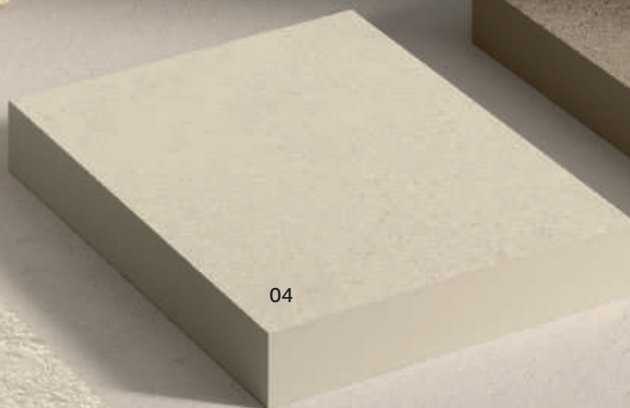
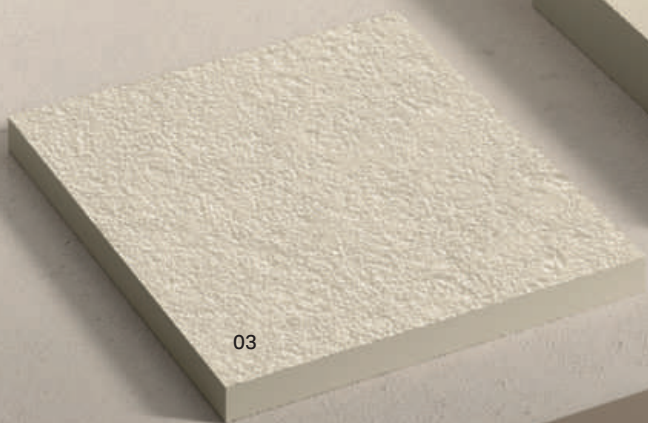
FENICE CREMA

BEAUTY STANDING THE TEST OF TIME

The resilience of natural stone inspires Accordi Fenice, a new benchmark of advanced design, merging together the profound sincerity of the material and an exceptional practicality.

01: Lirico Elkwood
02: Fenice Brown
03: Opera Crema Sculpt
04: Scala Crema
05: Opera Beige
06: Pastelli Oliva

COMPOSITION NUMBER #6



WALL AND SHELVES: OPERA CREMA SCULPT - PASTELLI OLIVA - 120x300 / 47"x118" 5.5mm
TOP: FENICE BROWN - OPERA CREMA - 160x320 / 63"x126" 12mm
FURNITURE: LIRICO ELKWOOD - 120x300 / 47"x118" 5.5mm - OPERA CREMA - 160x320 / 63"x126" 12mm
FLOOR: OPERA BEIGE - 160x160 / 63"x63" 12mm



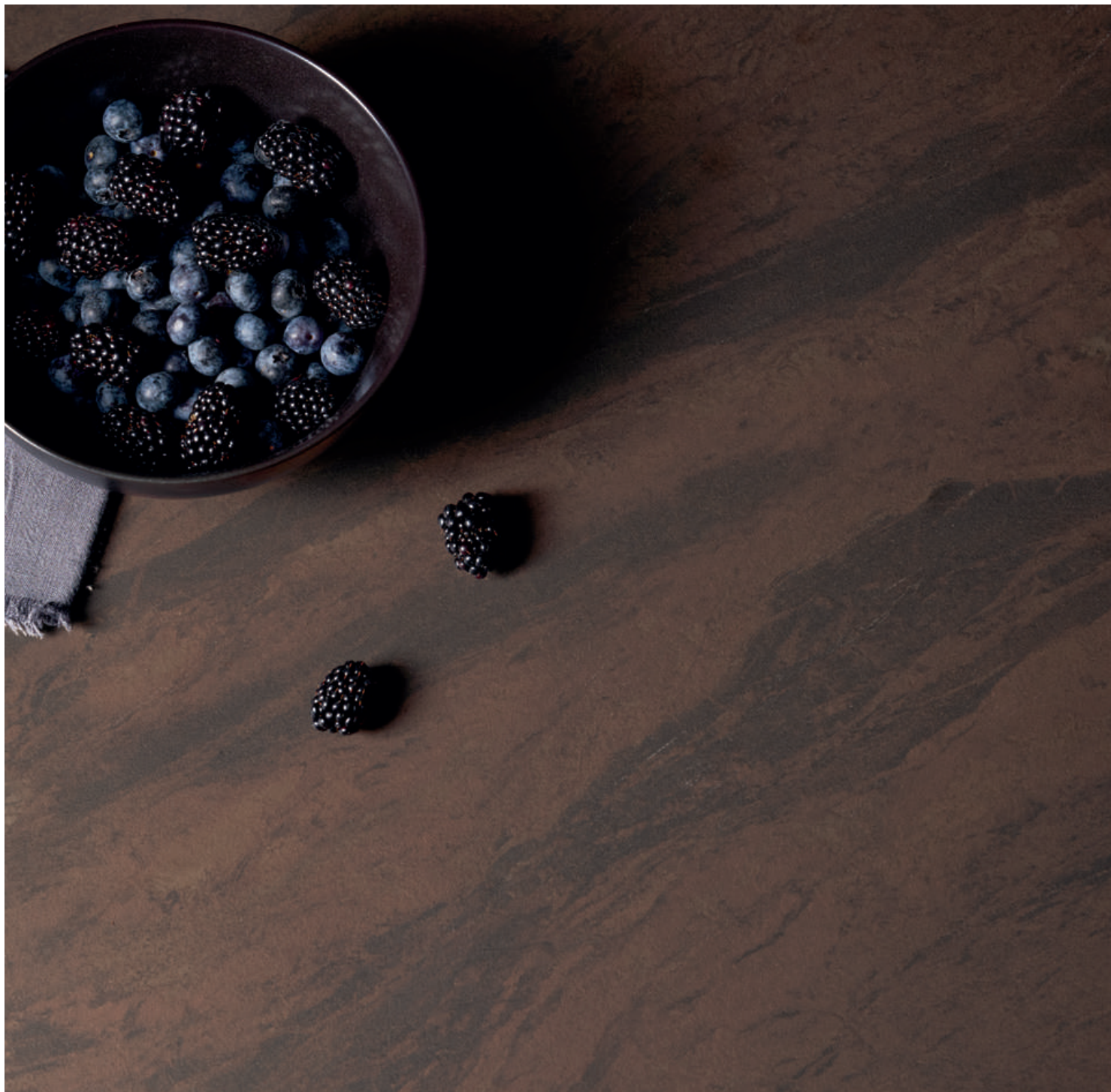




WALL: PASTELLI OLIVA - 120x300 / 47"x118" 5.5mm
FURNITURE: LIRICO ELKWOOD - 120x300 / 47"x118" 5.5mm
FLOOR: OPERA BEIGE - 160x160 / 63"x63" 12mm



TOP: OPERA CREMA - 160x320 / 63"x126" 12mm
FLOOR: OPERA BEIGE - 160x160 / 63"x63" 12mm



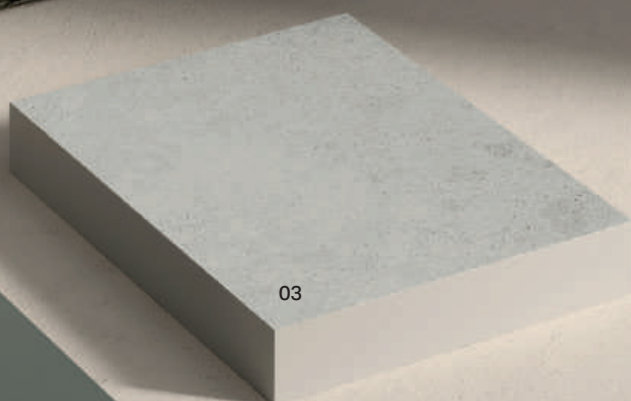
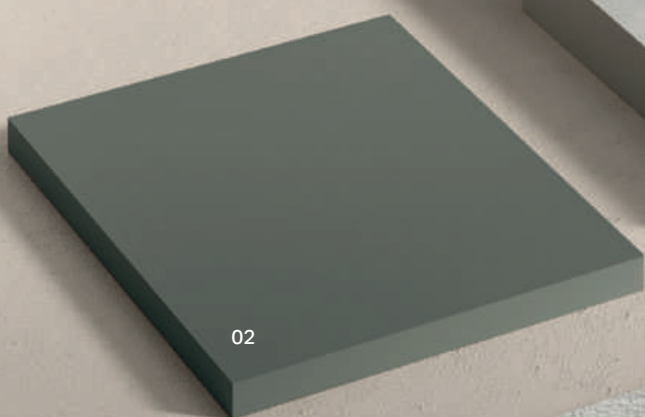
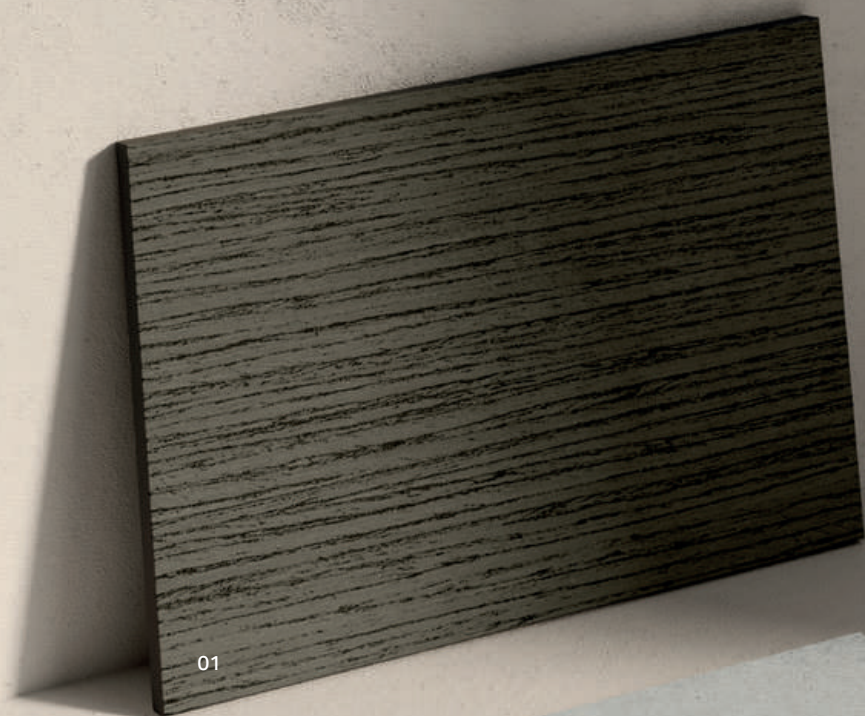
FENICE BROWN

MAGNETIC NOTES OF ELEGANCE

The evocative metallic gleams of bronzite are reborn in Accordi Fenice, a material of alluring contemporary charm, where natural authenticity meets refined design elegance in perfect harmony.

01: Lirico Black Oak
02: Pastelli Salvia
03: Opera Mist
04: Scala Mist Sculpt

COMPOSITION NUMBER #7



WALL: SCALA MIST SCULPT - LIRICO BLACK OAK - PASTELLI SALVIA - 120x300 / 47"x118" 5.5mm
FLOOR: SCALA MIST - 160x160 / 63"x63" 12mm



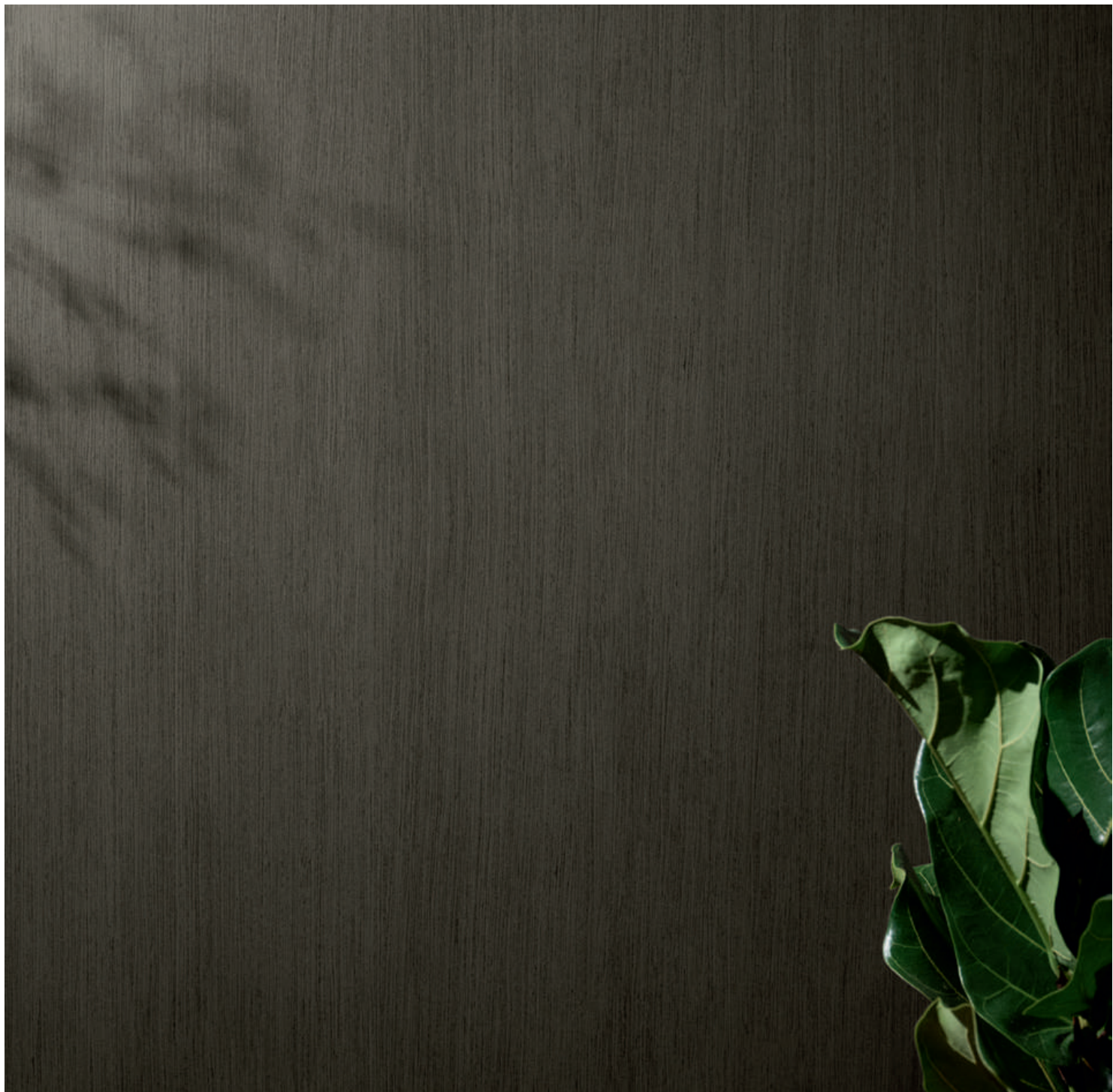




WALL: SCALA MIST SCULPT - 120x300 / 47"x118" 5.5mm



WALL: SCALA MIST SCULPT - PASTELLI SALVIA - 120x300 / 47"x118" 5.5mm



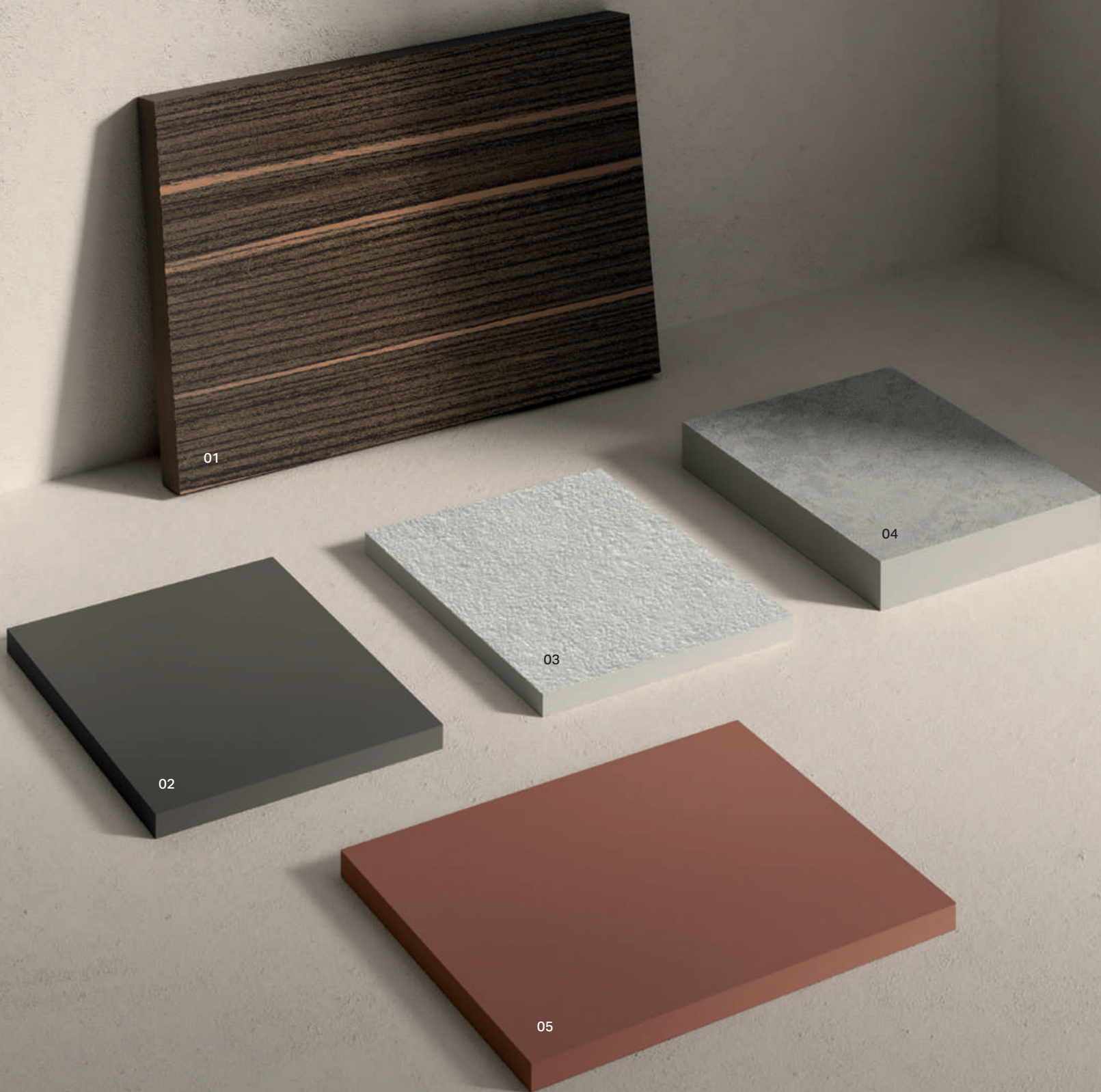
LIRICO BLACK OAK

WONDERS BEYOND EXPECTATIONS

Design thinking discovers new, precious opportunities to expand its reach. So even outdoors, architecture can gain character and charm, inspired by the enchanting poetry of wood that makes Accordi Lirico so unique.

01: Lirico Ebony
02: Pastelli Grafite
03: Opera Mist Sculpt
04: Opera Grey
05: Pastelli Arancio

COMPOSITION NUMBER #8



01

02

03

04

05

WALL: - OPERA GREY SCULPT - 120x300 / 47"x118" 5.5mm
FURNITURE, SHELVES: LIRICO EBONY - PASTELLI ARANCIO - 120x300 / 47"x118" 5.5mm
FLOOR: OPERA GREY - 160x160 / 63"x63" 12mm







WALL: OPERA GREY SCULPT - 120x300 / 47"x118" 5.5mm
FURNITURE: PASTELLI ARANCIO - 120x300 / 47"x118" 5.5mm
FLOOR: OPERA GREY - 160x160 / 63"x63" 12mm



FURNITURE: LIRICO EBONY - PASTELLI ARANCIO - 120x300 / 47"x118" 5.5mm
FLOOR: OPERA GREY - 160x160 / 63"x63" 12mm



LIRICO EBONY

INDELIBLE EMOTIONS. AT EVERY GLANCE

The poignant symphony of wood's veins resonates through the soul of Accordi Lirico, a material that captivates at every glance. An indelible emotion, meticulously crafted to be savoured over years.

OPERA



□	12 mm	1600x1600 mm	63"x63"	8 Faces
□	Sculpt 5.5 mm	1200x3000 mm	47"x118"	4 Faces
□	12 mm	1600x3200 mm	63"x126"	4 Faces
□	20 mm	1600x3200 mm	63"x126"	1 Face



□	12 mm	1600x1600 mm	63"x63"	8 Faces
□	Sculpt 5.5 mm	1200x3000 mm	47"x118"	4 Faces
□	12 mm	1600x3200 mm	63"x126"	4 Faces
□	20 mm	1600x3200 mm	63"x126"	1 Face

OPERA

Opera Crema



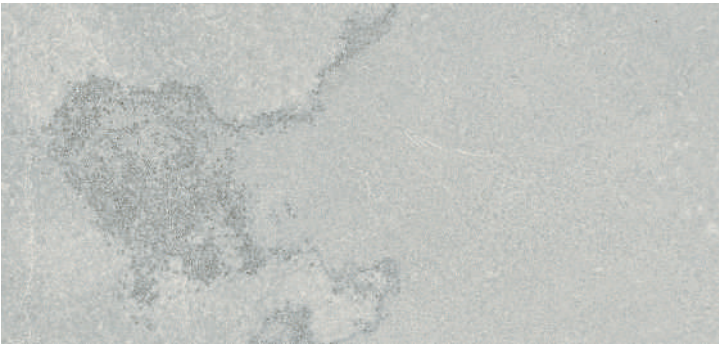
Opera Beige



□	12 mm	1600x1600 mm	63"x63"	8 Faces
□	Sculpt 5.5 mm	1200x3000 mm	47"x118"	4 Faces
□	12 mm	1600x3200 mm	63"x126"	4 Faces
□	20 mm	1600x3200 mm	63"x126"	1 Face

□	12 mm	1600x1600 mm	63"x63"	8 Faces
□	Sculpt 5.5 mm	1200x3000 mm	47"x118"	4 Faces
□	12 mm	1600x3200 mm	63"x126"	4 Faces
□	20 mm	1600x3200 mm	63"x126"	1 Face

SCALA



□	12 mm	1600x1600 mm	63"x63"	8 Faces
□	Sculpt 5.5 mm	1200x3000 mm	47"x118"	4 Faces
□	12 mm	1600x3200 mm	63"x126"	4 Faces
□	20 mm	1600x3200 mm	63"x126"	1 Face



□	12 mm	1600x1600 mm	63"x63"	8 Faces
□	Sculpt 5.5 mm	1200x3000 mm	47"x118"	4 Faces
□	12 mm	1600x3200 mm	63"x126"	4 Faces
□	20 mm	1600x3200 mm	63"x126"	1 Face

OLYMPICO



1A

2A



□	5.5 mm	1200x3000 mm	47"x118"	2 Faces
□	12 mm	1600x3200 mm	63"x126"	2 Faces
□	20 mm	1600x3200 mm	63"x126"	1 Face

Bookmatch 160x320 ± 12 mm



1B

1A



2A

2B



2B

1B

1A

2A

FENICE

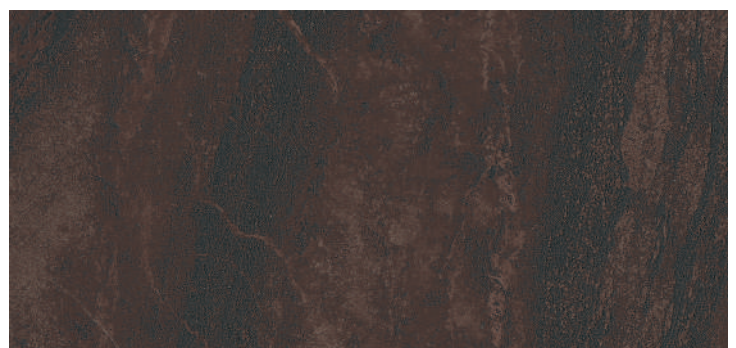


□	5.5 mm	1200x3000 mm	47"x118"	4 Faces
□	12 mm	1600x3200 mm	63"x126"	4 Faces
□	20 mm	1600x3200 mm	63"x126"	1 Face



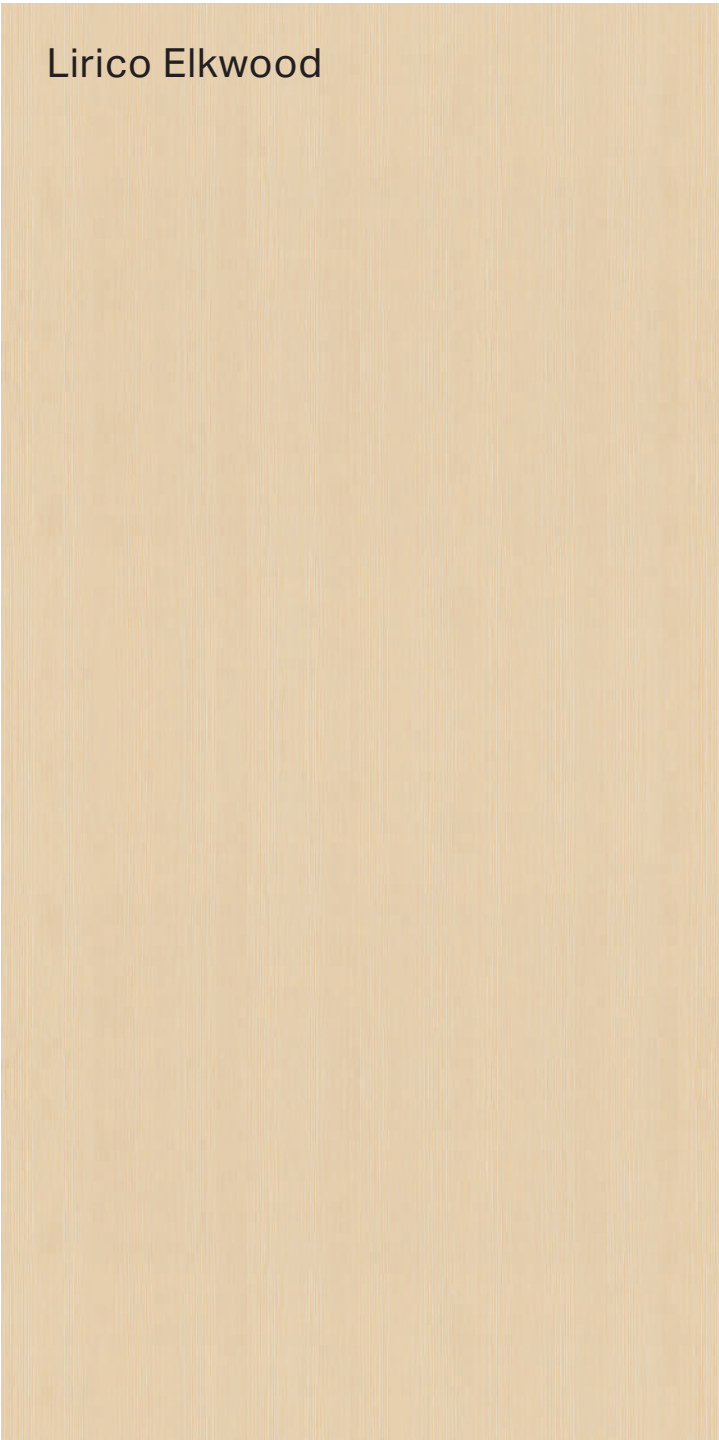
□	5.5 mm	1200x3000 mm	47"x118"	4 Faces
□	12 mm	1600x3200 mm	63"x126"	4 Faces
□	20 mm	1600x3200 mm	63"x126"	1 Face

Fenice Brown



□	5.5 mm	1200x3000 mm	47"x118"	4 Faces
□	12 mm	1600x3200 mm	63"x126"	4 Faces
□	20 mm	1600x3200 mm	63"x126"	1 Face

LIRICO

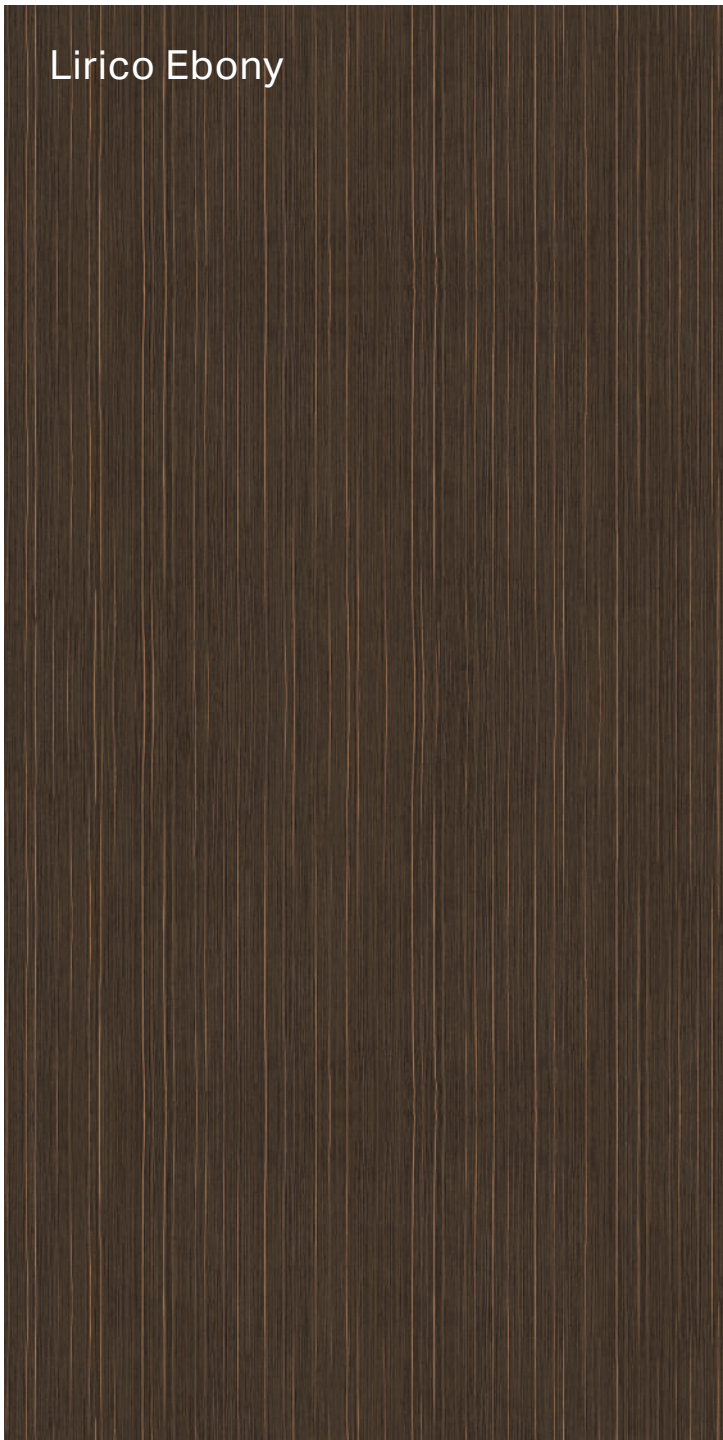


□	5.5 mm	1200x3000 mm	47"x118"	1 Face
□	12 mm	1600x3200 mm	63"x126"	1 Face



□	5.5 mm	1200x3000 mm	47"x118"	2 Faces
□	12 mm	1600x3200 mm	63"x126"	2 Faces

Lirico Ebony



Lirico Black Oak



□	5.5 mm	1200x3000 mm	47"x118"	1 Face
□	12 mm	1600x3200 mm	63"x126"	1 Face

□	5.5 mm	1200x3000 mm	47"x118"	1 Face
□	12 mm	1600x3200 mm	63"x126"	1 Face

TECHNICAL SPECIFICATION

	CHARACTERISTIC	METHOD OF TESTING	UNITS	STANDARD AS PER ISO13006:2018 / EN14411 Gr.Bla	ACCORDI
REGULATORY PROPERTIES	Deviation in Length and Width*	ISO 10545-2	mm	±0.30 % (±1.00 mm)	±1.0 mm (±0.20 %)
	Deviation in Thickness*	ISO 10545-2	mm	±5.0 % (± 0.50 mm)	±0.5 mm (±5.0 %)
	Straightness in Side*	ISO 10545-2	mm	±0.30 % (± 0.80 mm)	±0.8 mm(±0.20 %)
	Rectangularity*	ISO 10545-2	mm	±0.30 % (±1.50 mm)	±1.2 mm(±0.20 %)
	Surface Flatness Central Curvature*	ISO 10545-2	mm	±0.40 % (± 1.80 mm)	±1.8 mm(±0.20 %)
	Surface Flatness Edge Curvature*	ISO 10545-2	mm	±0.40 % (± 1.80 mm)	±1.8 mm(±0.20 %)
	Surface Flatness Warpage*	ISO 10545-2	mm	±0.40 % (± 1.80 mm)	±1.8 mm(±0.20 %)
	Surface Quality	ISO 10545-2	%	>95% defects free	>95% defects free
	Small Colour Difference (For Plain Colour)	ISO 10545-16	ΔE	ΔE <1.00	ΔE <0.80
STRUCTURAL PROPERTIES	Water Absorption	ISO 10545-3	%	≤0.50 %	≤0.080 %
	Bulk Density	ISO 10545-3	gm/cc	As per Manufacturer	> 2.28 gm/cc
MASSIVE MECHANICAL PROPERTIES	Modulus of Rupture ^	ISO 10545-4	N/mm ²	Min. 35.0 N/mm ²	Min. 50.0 N/mm ²
	Breaking Strength Thickness <7.5 mm (5.5 mm)	ISO 10545-4	N	Min 700.0 N	Min 1100.0 N
	Breaking Strength Thickness >7.5 mm (12 mm)	ISO 10545-4	N	Min 1300.0 N	Min 3500.0 N
	Breaking Strength Thickness >7.5 mm (20 mm)	ISO 10545-4	N	Min 1300.0 N	Min 10000.0 N
SURFACE MECHANICAL PROPERTIES	MOH'S Hardness	BS EN 15771	Number	As per Manufacturer	Min 7
	Surface Abrasion Resistance (PEI)	ISO 10545-7	Class	As per Manufacturer	Dark PEI- III (Rev 750) Light PEI-IV (Rev 2100)
THERMAL HYGROMETRIC PROPERTIES	Moisture Expansion	ISO 10545-10	mm/m	Max 0.06% (0.6 mm/m)	Max 0.02 mm/m
	Thermal Expansion(COE) at 100°C	ISO 10545-8	°C ⁻¹	As per Manufacturer	Max. 6.0 x 10 ⁻⁶
	Thermal Shock Resistance	ISO 10545-9	Cycles	Min 10 Cycle	Min 10 Cycle
	Impact Resistance(COR) #	ISO 10545-5	o - 1 value	Min. 0.55	Min 0.55
	Frost Resistance	ISO 10545-12	Cycles	As per Manufacturer	Frost Proof
	Crazing Resistance at 7.5 bar	ISO 10545-11	Cycle	4 Cycles	6 Cycles
BOND STRENGTH / ADHESION PROPERTIES	Cementitious Adhesives	EN 12004: 2017	N/mm ²	As per Manufacturer	≥ 1 N/mm ²
	Reaction Resin Adhesives	EN 12004: 2017	N/mm ²	As per Manufacturer	≥ 2 N/mm ²
CHEMICAL PROPERTIES	Resistance to Staining	ISO 10545-14	class	Min. Class 3	Class 5
	Resistance to Household Chemicals & Swimming Pool Salts	ISO 10545-13	class	Min Class GB	Class GA***
	Resistance to Low Concentrate Acid and Alkalis	ISO-10545-13	class	As per Manufacturer	Min Class GLA***
	Resistance to High Concentrate Acid and Alkalis	ISO-10545-13	class	As per Manufacturer	Min Class GHB***
SAFETY & OTHER TECHNICAL PROPERTIES	Skid Resistance -(DCOF-WET PENDULUM)	ASTM E-303	DCOF	As per Manufacturer	P1 (0.20 - 0.40)
	Slip Resistance - Shod R Value	DIN 16165:2023-2	R Value	As per Manufacturer	R 9
	Lead and Cadmium release (Lead Concentration)	ISO-10545-15	mg/dm ²	As per Manufacturer	0.01 mg/dm ²
	Lead and Cadmium release (Cadmium Concentration)	ISO-10545-15	mg/dm ²	As per Manufacturer	0.001 mg/dm ²
	Solar Reflection index (SRI)	ASTM E1980, EN 673, & EN 410	–	–	>90
	Color Resistance to UV Light	DIN 51094	–	Report Result	No colour changes
	Reaction to Fire#	EN 13501-1	–	A1	A1
* Whichever is less is applicable for Rectified Size N>=15 CM					
*** Except Hydrofluoric Acid & it's compound					
# Without Fiberness					
^ MOR teated on sample cut size: 80x80 cm for large slab					
Note: Length and width, orthogonality and straightness are not applicable for the NOT-rectified material.					

Product	Sizes	Actual Sizes	Thickness	Tiles/Box	Coverage Area/Box
Accordi Collection	160x160cm	1600x1600mm	12mm	1	2.56 Sqm
	120x300cm	1200x3000mm	5.5+mm	1	3.60 Sqm
	160x320cm	1600x3200mm	12mm	1	5.12 Sqm
	160x320cm	1600x3200mm	20mm	1	5.12 Sqm

Edge types



Flat



1/4 Bevel



1/4 Radius



1/2 Bullnose



Full Bullnose



Knife



Birds Beak



45° Corner



Soft Corner

Application Areas



Kitchen Counter Top



Vanity Top



Bathtub



Wash Basin



Facades



Window and Door Sill



Floor & Wall



Staircase



Shower Base



Dining Table



Shelves



Table Top

Transporting Neotra Advanced Surfaces

When removing the Neotra Advanced Surfaces from the A-frame (Fig-A), it is necessary to do it from alternate sides for greater safety. Removing one stone from one side and the next one from the other side keeps the load symmetrical and more stable.

To move single Pastelli slab and position it on a rock or a machine that will process it to the finished stone, it is possible to use suction pad lifting equipment with several grab points supported by an overhead travelling crane (Fig-B) or a jib crane, depending on the weight of the individual slab.

The single slab can be moved overhead with cloth straps (Fig-C) or slings coated in rubber with overhead crane or with forklift truck (Fig-D). Never use chains or steel cable because these materials can damage the surface and edges. In fact, chains and steel would scratch the surfaces of stone and could leave steel residue on natural materials which would then require careful cleaning.

If handling with grippers, insert rubber grip covers to protect the slab.

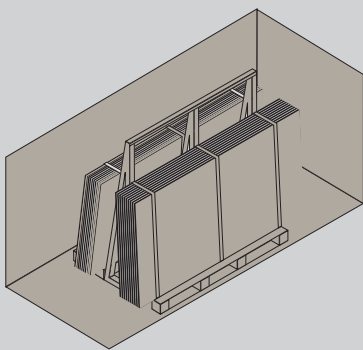


Fig-A

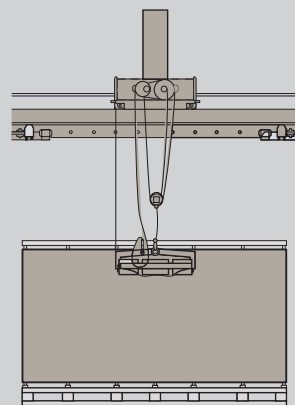


Fig-B

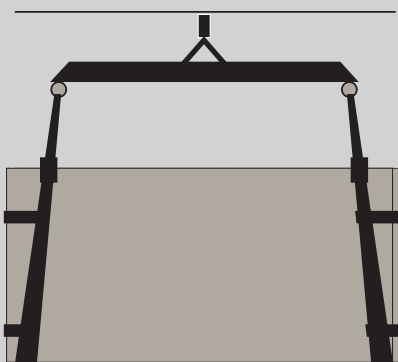


Fig-C

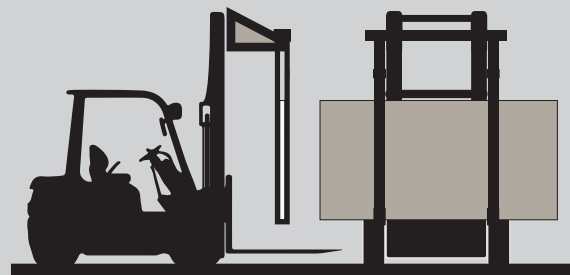
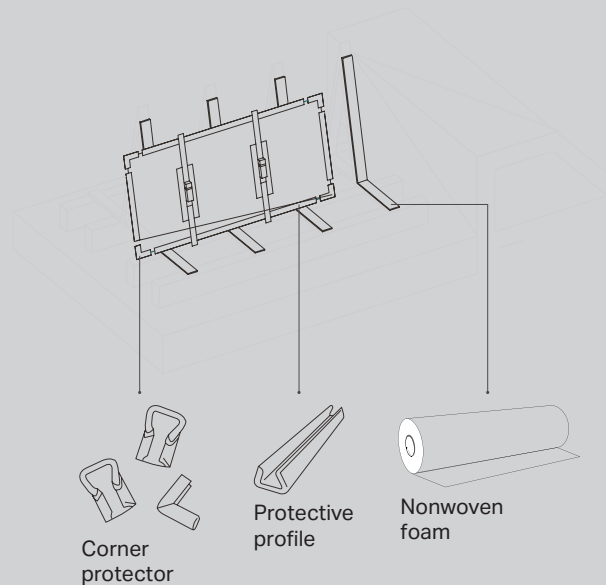


Fig-D

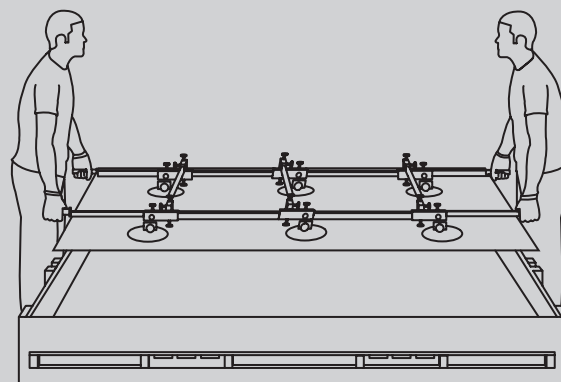
Transporting by Lorry

Place the material, with all edges and corners protected, vertically on trestles, securing them with canvas slings and protecting the ratchets. Special care must be taken with pieces with holes made in the workshop.



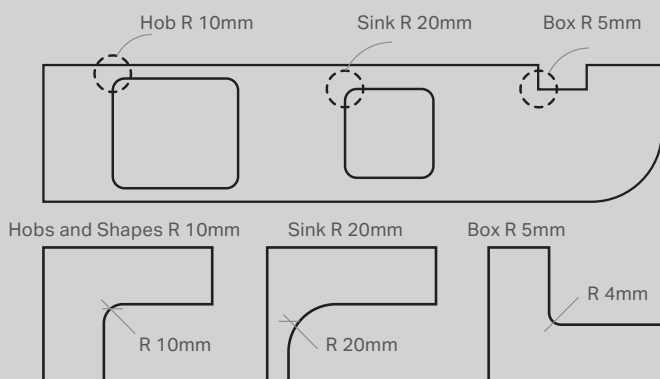
Movement with manual suction cups

For handling 12 mm slabs efficiently and securely, it is recommended to use specialized suction cup runners and frames. Two types of suction cups are available: traditional and pump-equipped. The pump-equipped suction cups are preferable as they offer a stronger grip and the ability to re-establish the vacuum using the built-in pump, even after some time. Always ensure a strong vacuum seal between the lifting device and the slabs surface for safe handling and installation.



Working with the various version of Neotra Advanced Surfaces

CUTOUTS



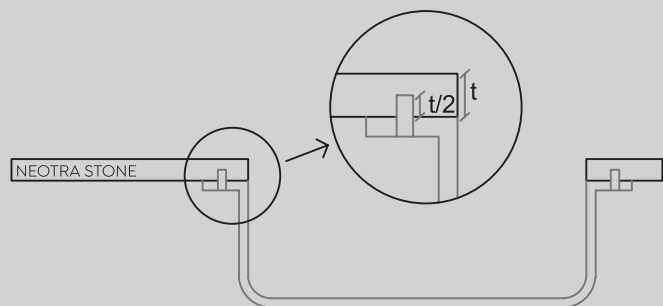
A minimum of 4mm radius is mandatory for inside corners except for L Shapes, where 10mm is required. Below are recommended examples of cut-outs for fittings such as sinks, hobs, columns, etc.

EDGES FINISHING

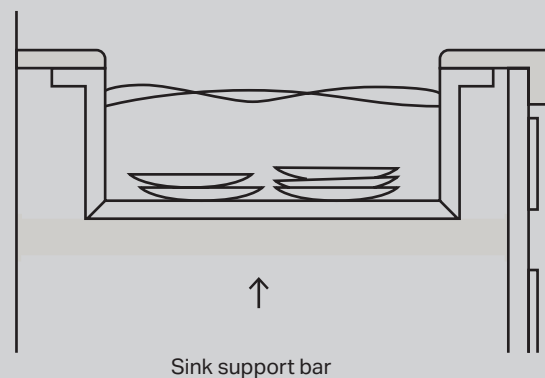


Edges can be finished by using sanding discs fitted onto hand held angle grinder. The same result can be obtained by hand using abrasive diamond sponges or emery paper. With a light passage on the side of the slab, you can obtain a slightly rounded-off edge or with repeated passages a bevelled effect.

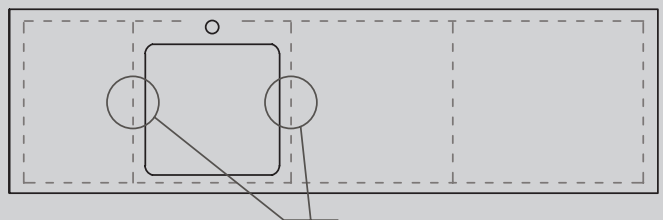
DRILLS AND SLITS



All incisions, slits or drills must pass through the material a maximum of half of the thickness.



Furthermore, for large sinks, we recommend placing support bars under the sink, so that its weight is borne by the bars and not (by) the worktop.



Assure, the countertop support on the cabinet rails surrounding the cut out.

Working with the various versions of Neotra Advanced Surfaces

CUTTING WITH DIAMOND DISCS



All products of Neotra can be cut using diamond discs fitted onto the hand-held electrical grinding machine. In this case, the SLAB will have a cleaner and better defined edge than by cutting and breaking the SLAB.

Before starting, check the following:

- The cutting table should be solid and robust.
- It must be perfectly flat and levelled (the quality is improved using a Rubber surface, to buffer the blade vibrations).
- Check that the surface that the SLAB placed on is in good condition (the piece is perfectly supported and there are no surface irregularities that affects the adhesion of the Neotra Advanced Surfaces).
- Only use standardized blades to cut Neotra Advanced Surfaces. Generally, these tools work at slow speeds and are highly cooled.
- The blade must be in good condition (the tool should be within its product life cycle and there should be no surface damage).
- The cooling process for this type of work is very important. The coolant flow must point directly at the cutting point and not indirectly. Use the maximum flow allowed by the machinery.
- If it is a special machine where the cutting process can be carried out immersed in water, this process should always be used to optimize the cooling process, to improve the surface quality and extend the life of the tool.

The recommended cutting speeds of blades for Neotra Advanced Surfaces are as follows:

- For 5.5 mm NEOTRA ADVANCED SURFACES: 1 m/min - 1.5 m/min*
- For 12 mm NEOTRA ADVANCED SURFACES: 1 m/min - 1.5 m/min*
- For 20 mm NEOTRA ADVANCED SURFACES: 0.5 m/min - 1 m/min*

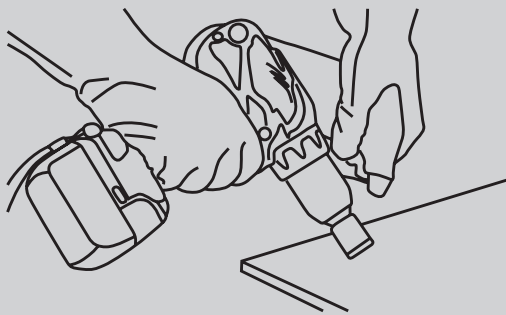
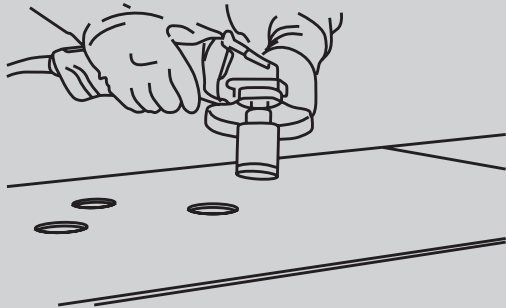
* Depending on the type of blade to be used and the brand, it is necessary to adjust the specific revolutions and speeds. To do so, use a suitable blade depending on the type of machinery available. If the machine has a frequency converter, any blade out of those recommended can be used, by simply adjusting the revolutions.

Requirements of machine

- Cooling water flow focused on the cutting area
- Use large flange
- Support of larger dimension of the Neotra Advanced Surfaces
- Sharpen frequently the diamond
- Well-levelled bed support
- Blade depth 1/8 inch to 3/16 inch on the cutting bed

If the edges of the SLAB are sharp or uneven after it has been broken, clean and smooth the edges with a diamond pad or abrasive discs.

DRILLING

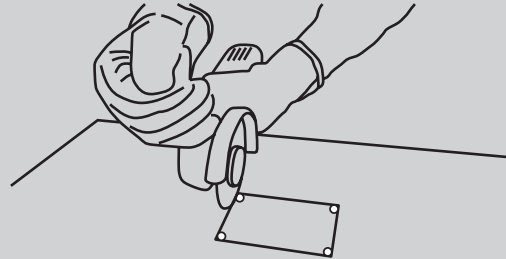


As an alternative, you can use cutting disc fitted to angle grinders, electrical drills or battery-operated screwdrivers.

Only use standardized blades to machine Neotra Advanced Surfaces. In general, the tools operate at very slow speeds and are highly cooled (ideally immersed). For which, it is recommended to place a container on the Neotra Advanced Surfaces, containing the coolant while drilling.

In the event of problems securing the drill at the start of the work, use holes in a materials as a guide, to then attach to Neotra Advanced Surfaces with the use of clamps. Another option is to slightly punch the surface of Neotra Advanced Surfaces and then use a small milling cutter to drill 5 mm. Then, the recommended drills can be used with a guide. If the drill is used directly on the material, the material must be fed at 45° until a 3 mm notch has been made. Then, the drill is gradually straightened until in a vertical position. Small circular movements should be made now to complete the work. It is vital to sharpen the tool after 4 drills with abrasive paste or similar.

INTERNAL CUT / L-SHAPED CUT



To make rectangular holes in stone, start by making a round hole at each corner of the rectangle. Then make straight cuts between each hole with a discs cutter with a diamond discs. This will prevent excessive stresses being generated at the corners of the rectangle which could then form a crack in the stone itself.

MINIMUM RADIUS AND DISTANCES

It is mandatory that any internal corner must be rounded.

Inside Corners on L-Shapes must have a minimum **10mm** radius.





neotrastones.com

A-201, Morya Landmark II, off New Link Road,
Andheri West, Mumbai - 400 053.

ACCORDI