ALS XTECH
Surface Cladding
By Arbour Landscape Solutions
A Story About Lifestyle

ARBOUR
LANDSCAPE SOLUTIONS

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ALS XTECH
SURFACE CLADDING

By ARBOUR LANDSCAPE SOLUTIONS

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ALS XTECH
SURFACE
CLADDING

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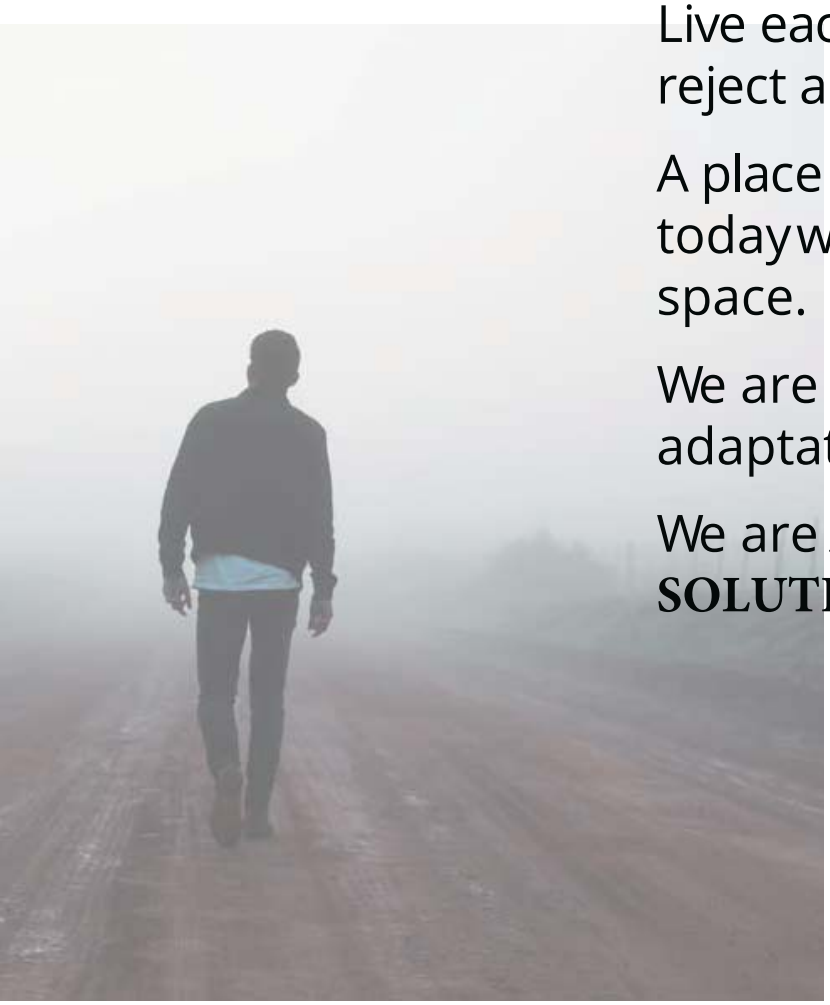
Discover the state of the art porcelain material

Delve into and discover the collections that will bring multiple styles to life, a range with unique charm, which will transport you through different lifestyles.

Open yourself up to new possibilities thanks to the versatility of a product as perfect as ourXTECH tile, allowing its multiple colours and endless combinations to become the path towards spaces that you could only dream of.



Open up your mind, move,
perceive, change and remain.

Live each moment;
reject all restrictions.

A place is no longer an anchor;
today we are not limited by
space.

We are creativity and
adaptation.

We are **ARBOUR LANDSCAPE SOLUTIONS.**

Steel Chrome, Nomad White & Urban. Industrial Collection

A firm essence over the ages with a clear goal throughout: creating the best porcelain product at the service of our imagination.

Arbour Landscape Solutions, a reference in decorative solutions

Arbour Landscape Solutions is a world leader in the production, transformation and sale of Natural Stone. Our company, established in 1959, controls the world's largest deposit of Crema Marfil Coto® marble, located in Alicante (Spain). Currently, we own many quarries, factories and distribution wharehouses.

Our portfolio is comprised by more than 200 different materials, among which Spanish marbles and Brazilian granite stand out. XTECH® surfaces complete our wide range, making us the leading company in the solid surface solution industry. We export to more than 110 countries in the European Union, America, the Middle East and Asia.

01

industrial collection

An industrial spirit envelops this collection with overwhelming force. Cold and contrast-filled surfaces, to create modern New York style interior designs.

Cool Steel

industrial collection

rough spirit

Cool Steel

the collection guides

Steel White

Rustic Chrome

Dark Rust

Steel Corten

Rust Grey

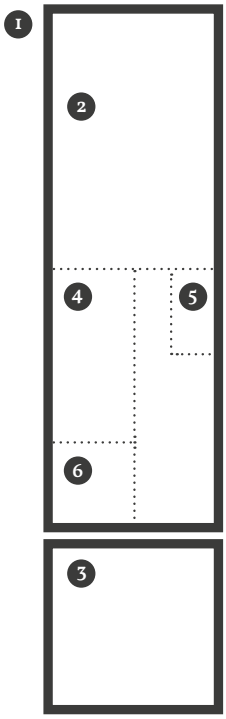
Cool Steel

Mottled Brass

technical info

Sizes

1. 1000 x 3000 mm
   39,4" x 117"
2. 1500 x 1000 mm
   58,5" x 39,4"
3. 1000 x 1000 mm
   39,4" x 39,4"
4. 500 x 1000 mm
   19,7" x 39,4"
5. 300 x 500 mm
   11,7" x 19,7"
6. 500 x 500 mm
   19,7" x 19,7"



Finishes

Natural

Thickness

3 mm / 3+ mm / 3+3 mm
5 mm / 5+ mm

the collection **Steel White**

the collection **Steel Corten**

the collection **Mottled Brass**

the collection **Rustic Chrome**

the collection **Rust Grey**

the collection **Dark Rust**

the collection **Cool Steel**

the collection guides

Blaze Dark

Blaze Snow

Alaska White

Rustic Walnut

Stone Grey

Nomad Dark

technical info

Sizes

1. 1000 x 3000 mm
   39,4" x 117"
2. 1500 x 1000 mm
   58,5" x 39,4"
3. 1000 x 1000 mm
   39,4" x 39,4"
4. 500 x 1000 mm
   19,7" x 39,4"
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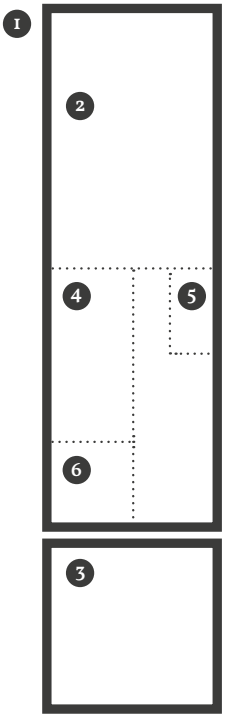
   11,7" x 19,7"
6. 500 x 500 mm
   19,7" x 19,7"



Finishes

Natural

Thickness

3 mm / 3+ mm / 3+3 mm
5 mm / 5+ mm

the collection **Blaze Dark**

the collection **Blaze Snow**

the collection Alaska **White**

the collection Rustic Walnut

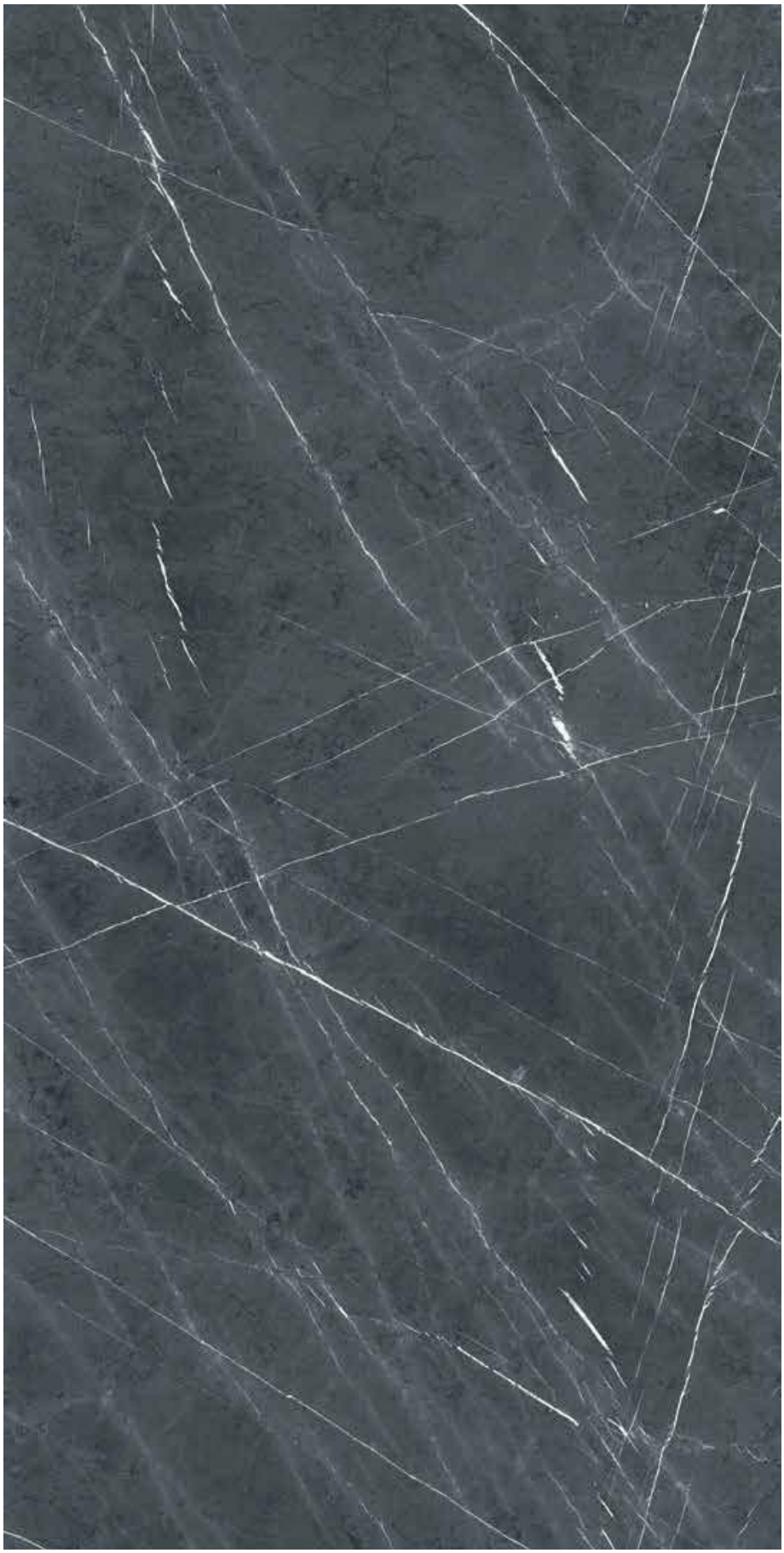
the collection Stone **Grey**

the collection **Nomad Dark**

02

stone collection

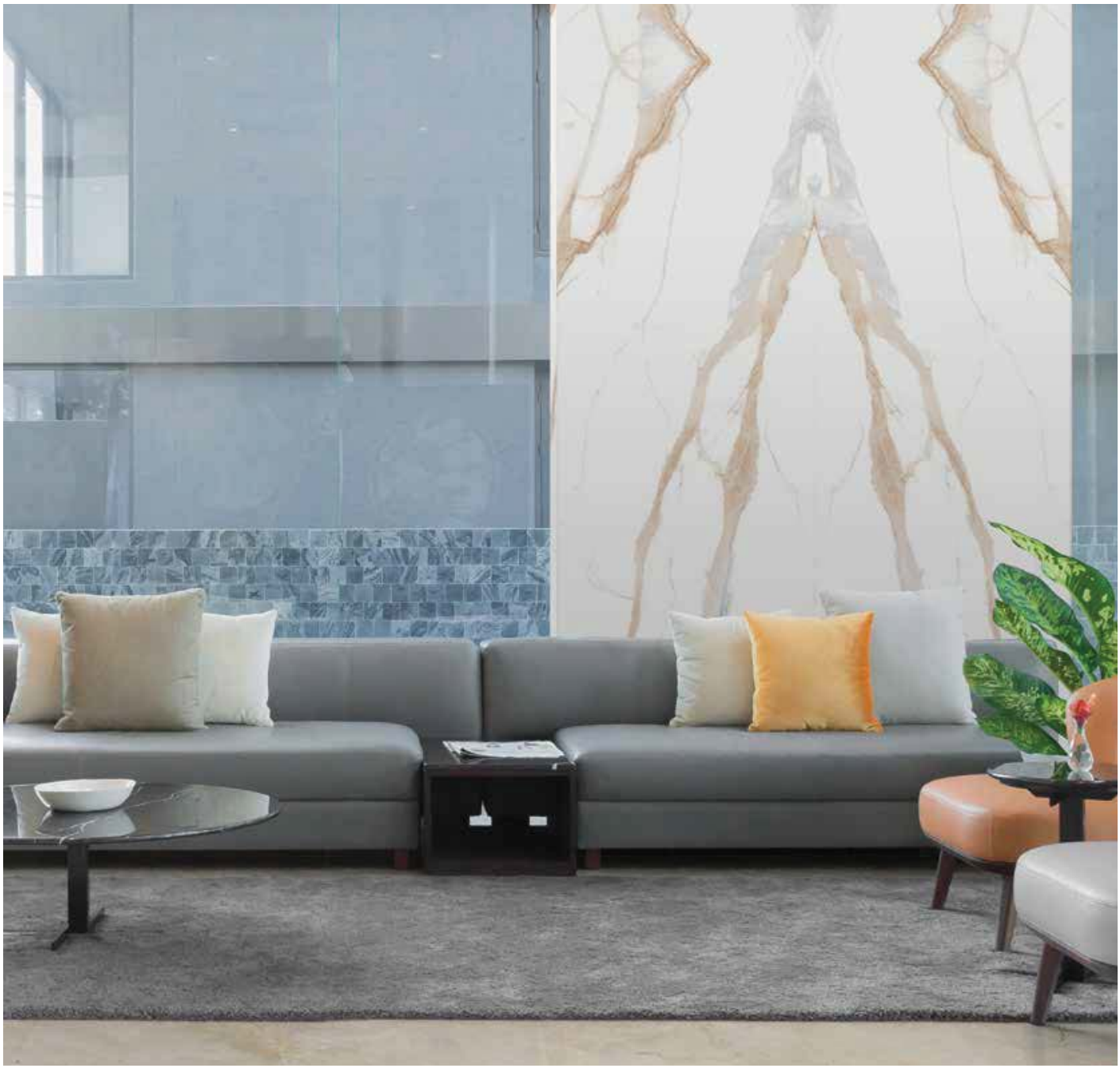
The noblest beauty and elegance are reborn in Stone Collection, for those who enjoy breaking away from all classicism.



Light Marble

stone collection

natural trend



Marvel Gold

the collection guides

Milos Bianco

Marvel Gold

Agatha Bianco

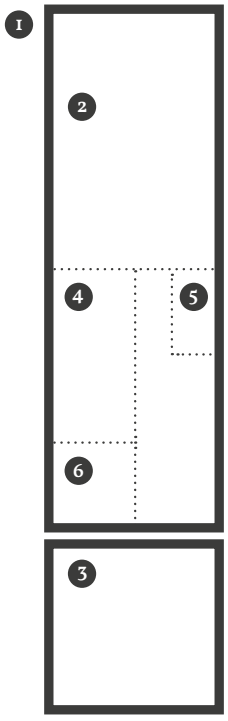
Kalos Bianco

Quartzite Stone

technical info

Sizes

1. 1000 x 3000 mm 39,4" x 117"
2. 1500 x 1000 mm 58,5" x 39,4"
3. 1000 x 1000 mm 39,4" x 39,4"
4. 500 x 1000 mm 19,7" x 39,4"
5. 300 x 500 mm 11,7" x 19,7"
6. 500 x 500 mm 19,7" x 19,7"



Finishes

Natural / Bush hammered**

Thickness

3 mm / 3+ mm / 3+3 mm / 5 mm / 5+ mm

**Only Kalos Bianco, Quartzite Stone in 5 mm and 5+ mm.

the collection **Milos Bianco**

the collection **Agatha Bianco**

the collection **Marvel Gold**

the collection **Kalos Bianco**

the collection **Quartzite Stone**

the collection guides

Light Pebble

Basalto Oscuro

Strata

Basalto Beige

Ebony

Stone Black

technical info

Sizes

1. 1000 x 3000 mm
   39,4" x 117"
2. 1500 x 1000 mm
   58,5" x 39,4"
3. 1000 x 1000 mm
   39,4" x 39,4"
4. 500 x 1000 mm
   19,7" x 39,4"
5. 300 x 500 mm
   11,7" x 19,7"
6. 500 x 500 mm
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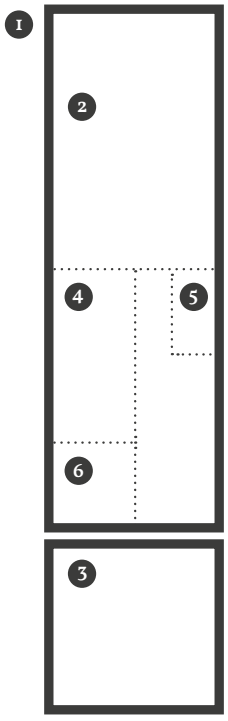

Finishes

Natural
Bush hammered**

Thickness*

3 mm / 3+ mm / 3+3 mm / 5 mm / 5+ mm

*Only Basalto Beige, Basalto Oscuro, Slate Ivory, Slate Ebony y Opium Black in 5 mm and 5+ mm.

**Only Strattos in 5 mm and 5+ mm.

the collection Light Pebble

the collection **Basalto Oscuro**

the collection **Strata**

the collection **Basalto Beige**

the collection **Ebony**

the collection Stone Black

the collection guides

Light Marble

Dark Marble

Warm Marble

technical info

Sizes

1. 1000 x 3000 mm
39,4" x 117"
2. 1500 x 1000 mm
58,5" x 39,4"
3. 1000 x 1000 mm
39,4" x 39,4"
4. 500 x 1000 mm
19,7" x 39,4"
5. 300 x 500 mm
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6. 500 x 500 mm
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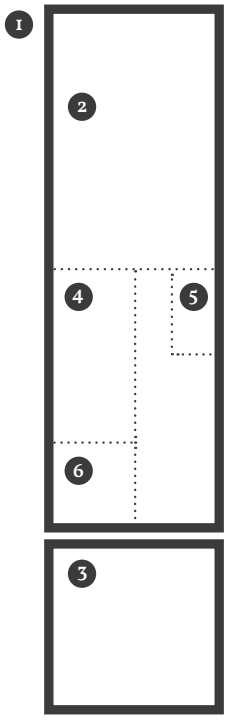


Finishes

Natural

Thickness

3 mm / 3+ mm / 3+3 mm / 5 mm / 5+ mm

the collection **Light Marble**

the collection **Dark Marble**

the collection **Warm Marble**

03

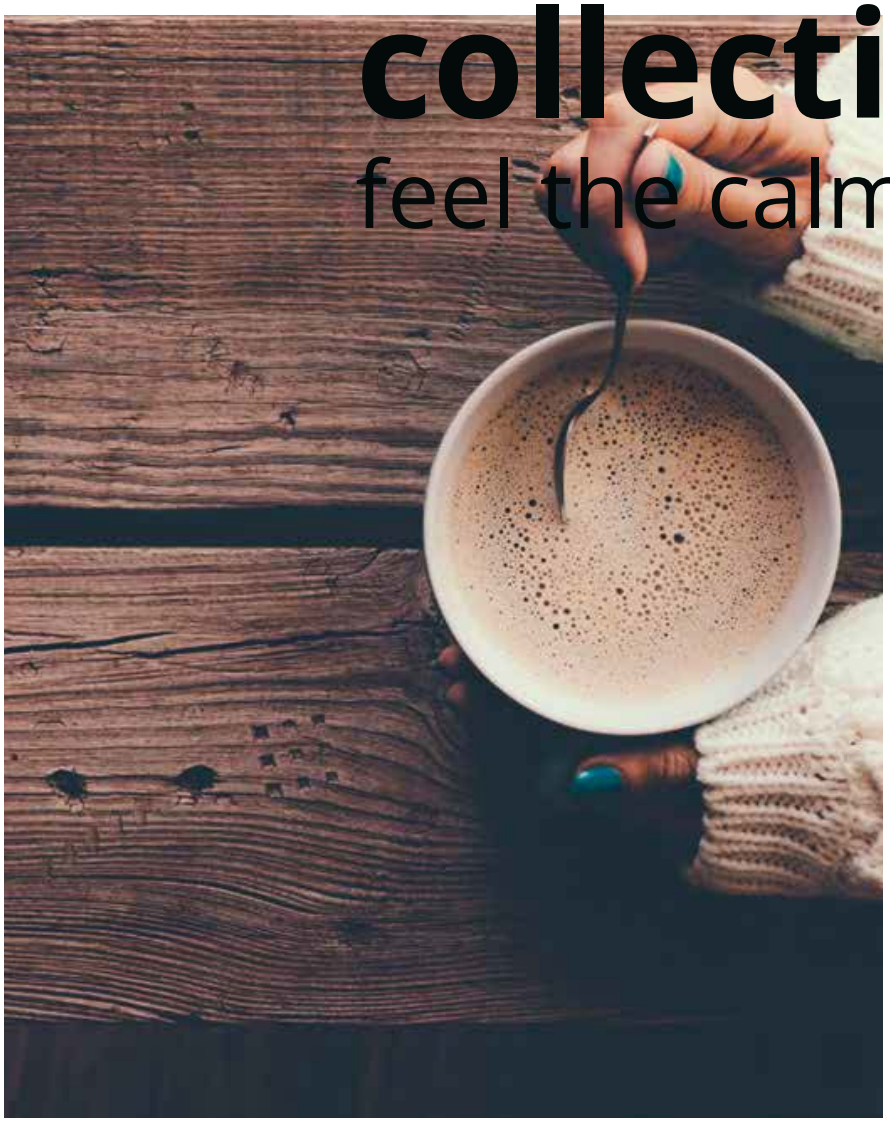
wood collection

The lovers of the most natural finishes will be transported to the most peaceful and remote places on Earth with Wood Collection.

Natura Grey

wood collection

feel the calm



Natura Brown

the collection guides

Natura White

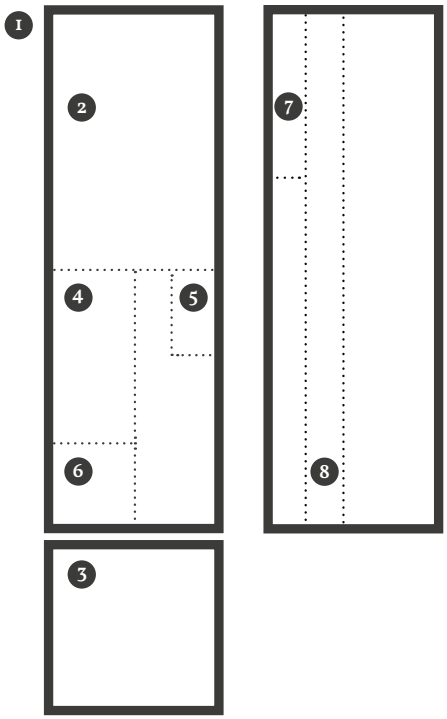
Natura Grey

Natura Brown

technical info

Sizes

1. 1000 x 3000 mm
39,4" x 117"
2. 1500 x 1000 mm
58,5" x 39,4"
3. 1000 x 1000 mm
39,4" x 39,4"
4. 500 x 1000 mm
19,7" x 39,4"
5. 300 x 500 mm
11,7" x 19,7"
6. 500 x 500 mm
19,7" x 19,7"
7. 200 x 1000 mm
7,9" x 39,4"
8. 250 x 3000 mm
9,8" x 117"



Finishes

Natural

Thickness

3 mm / 3+ mm / 3+3 mm
5 mm / 5+ mm

the collection **Natura White**

the collection **Natura Grey**

the collection **Natura Brown**

04

deco collection

Perfect combinations for trend lovers and color and texture explorers. A range with a personality of its own.

Deco Trencadís

deco collection

pure style

Deco Trencadís

the collection guides

Chic White

Zahir Perle

Deco Trencadís

technical info

Sizes

I 1000 x 3000 mm
39,4" x 117"

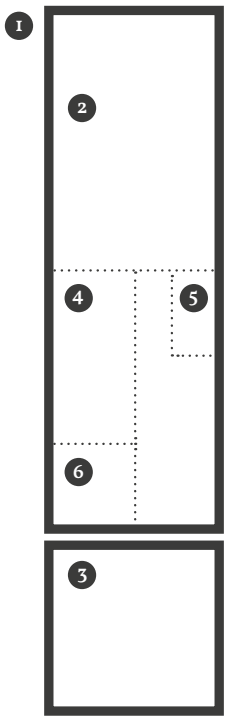
2 1500 x 1000 mm
58,5" x 39,4"

3 1000 x 1000 mm
39,4" x 39,4"

4 500 x 1000 mm
19,7" x 39,4"

5 300 x 500 mm
11,7" x 19,7"

6 500 x 500 mm
19,7" x 19,7"



Finishes

Satin
Natural*
Bush hammered*
Matt***

Thickness /

3 mm / 3+ mm
5 mm / 5+ mm

* Only Deco Trencadís & Deco Silk.

** Only Chic White in 5 mm and 5+ mm.

*** Only Zahir Perle.

the collection Chic White

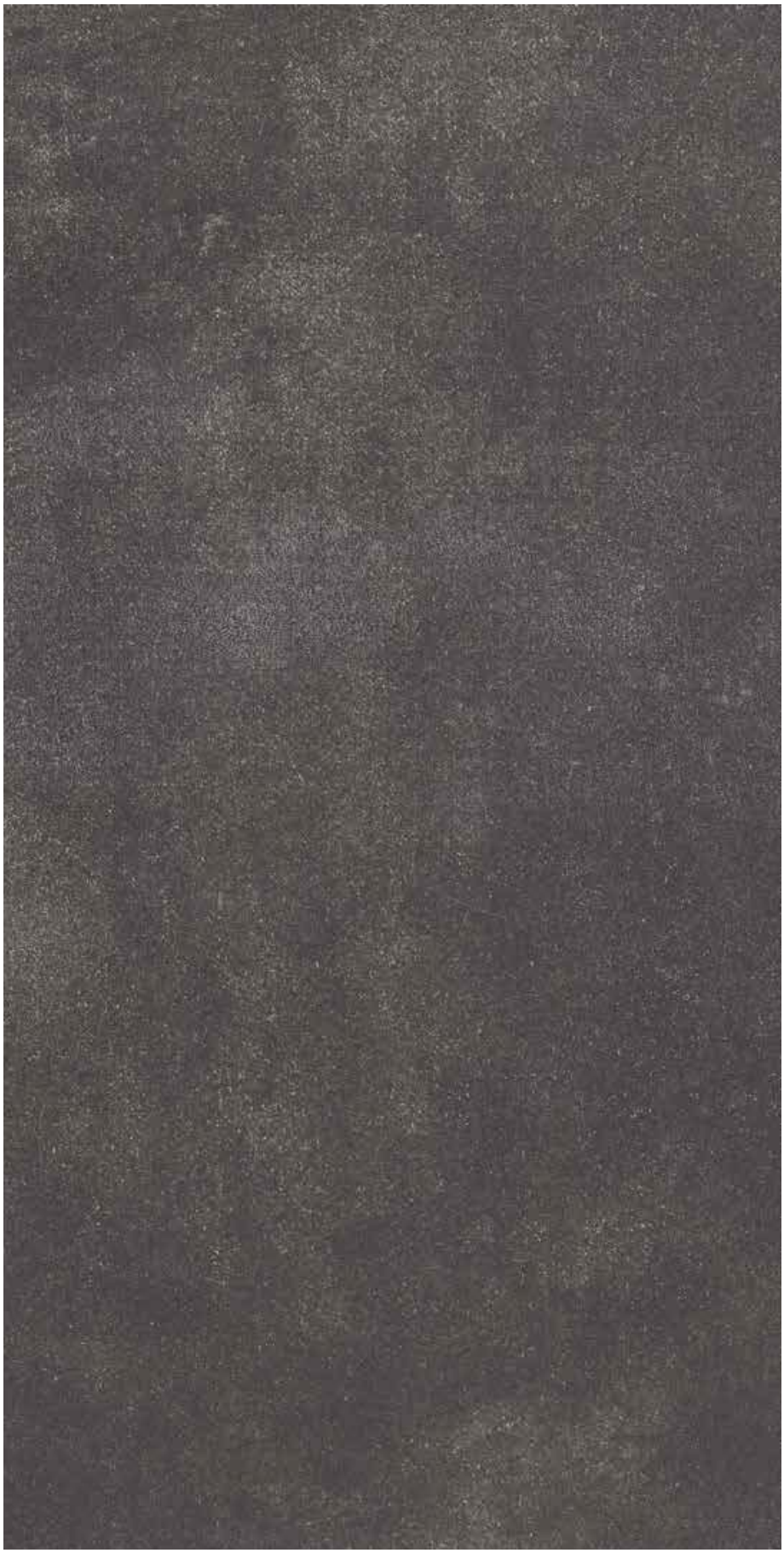
the collection **Deco Trencadís**

the collection **Zahir Perle**

05

vulcano collection

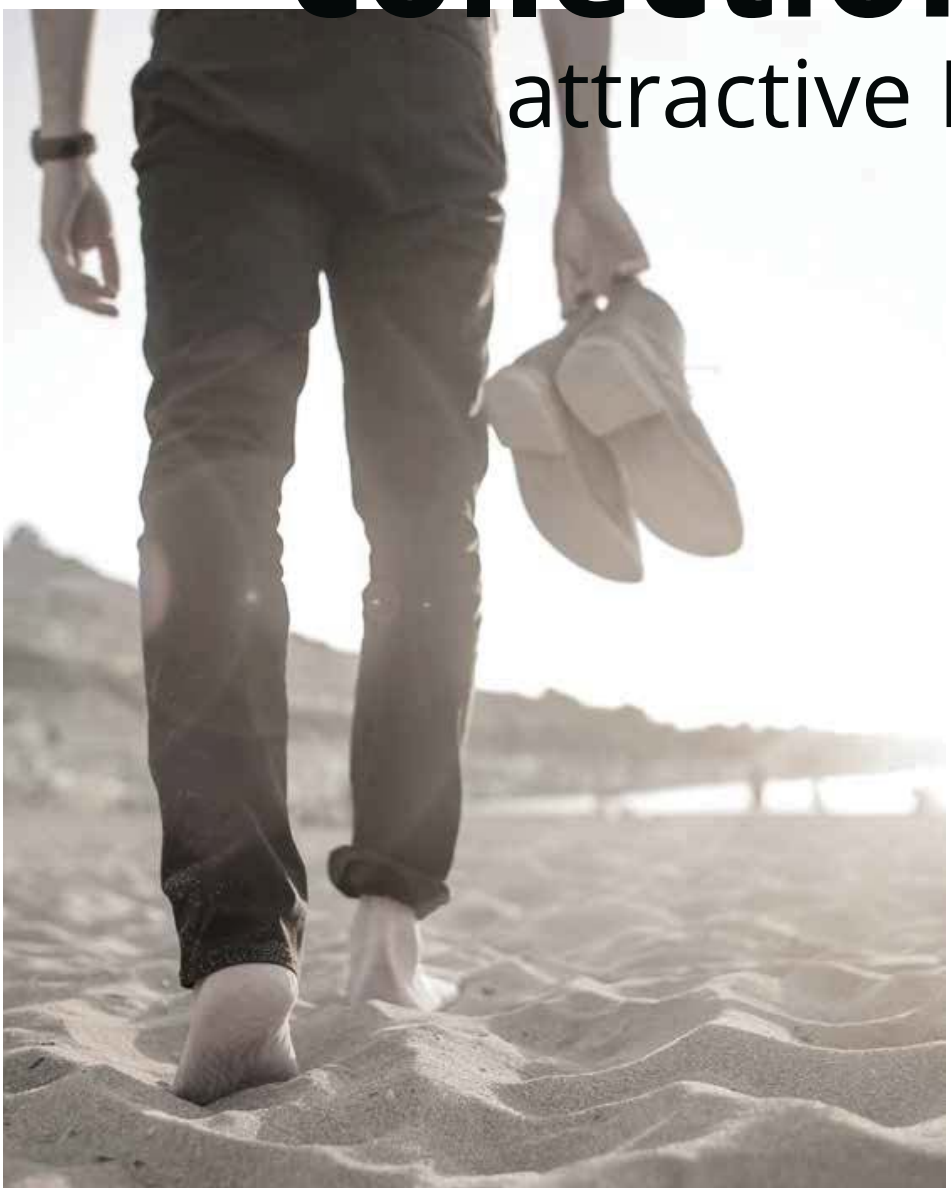
For discreet dreamers attracted by elements with character, where aesthetic is created far away from the light.



Dark Volcanic Rust

vulcano collection

attractive Force



Vulcano Concrete

the collection guides

Vulcano Concrete

Dark Volcanic Rust

Light Volcanic Rust

Sizes

I 1000 x 3000 mm
39,4" x 117"

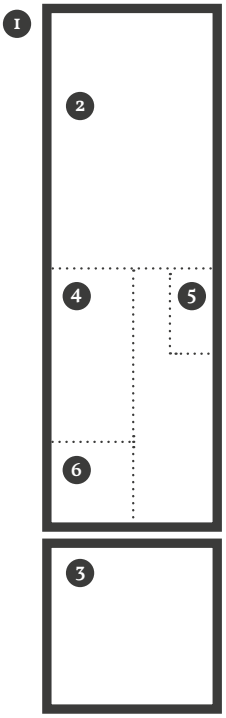
2 1500 x 1000 mm
58,5" x 39,4"

3 1000 x 1000 mm
39,4" x 39,4"

4 500 x 1000 mm
19,7" x 39,4"

5 300 x 500 mm
11,7" x 19,7"

6 500 x 500 mm
19,7" x 19,7"



Finishes

Satin

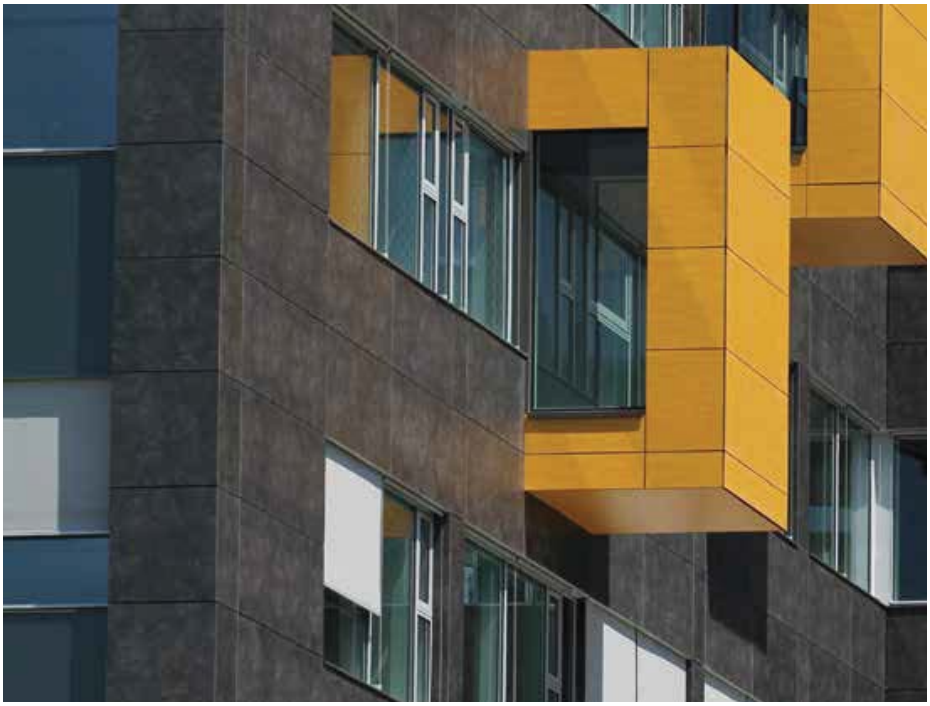
Thickness

3 mm / 3+ mm / 3+3 mm
5 mm / 5+ mm

the collection **Vulcano Concrete**

the collection Light Volcanic Rust

the collection Dark Volcanic Rust



06

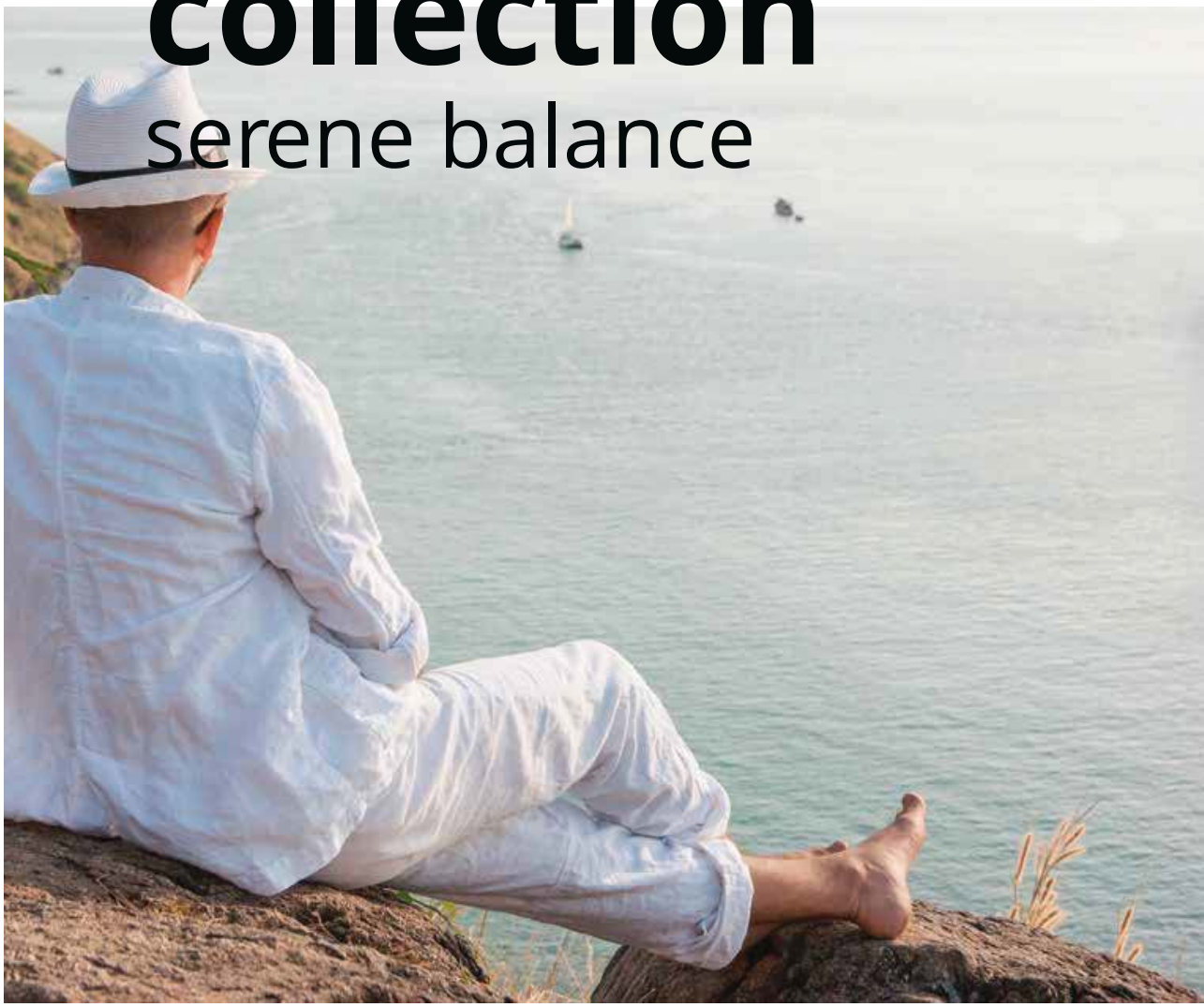
hydra collection

Harmony and serenity for those who enjoy contemporary spaces with a peaceful atmosphere.

Light Graphite

hydra collection

serene balance



Light Graphite

the collection guides

Light Sand

Grey Sand

Light Graphite

technical info

Sizes

I 1000 x 3000 mm
39,4" x 117"

2 1500 x 1000 mm
58,5" x 39,4"

3 1000 x 1000 mm
39,4" x 39,4"

4 500 x 1000 mm
19,7" x 39,4"

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11,7" x 19,7"

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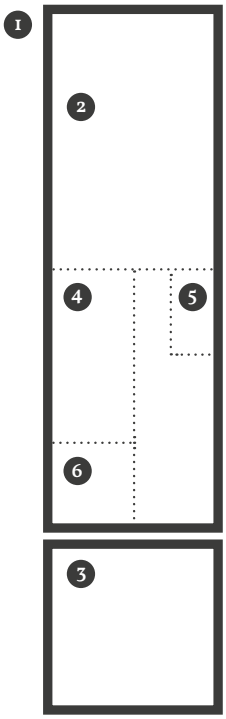
19,7" x 19,7"



Finishes

Satin

Thickness

3 mm / 3+ mm / 3+3 mm
5 mm / 5+ mm

the collection **Light Sand**

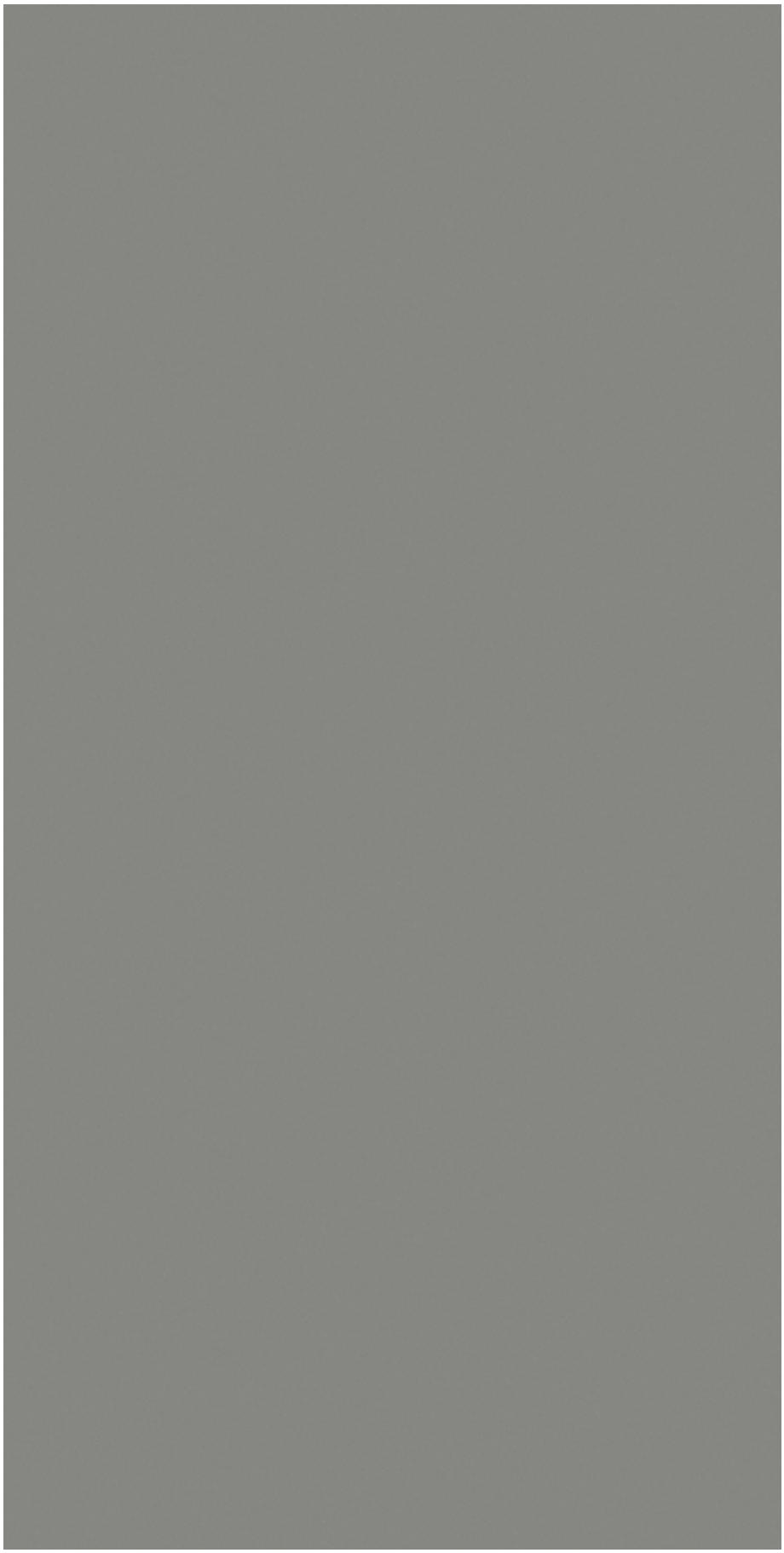
the collection **Grey Sand**

the collection **Light Graphite**

07

basic collection

Basic will captivate the senses of those who are passionate about color and creativity, and light-filled sensations and contrasts.



Basic Antracita

basic collection

creative color

Basic Antracita

the collection guides

Basic Ice

Basic Neu

Basic Bone

Basic Cappuccino

Basic Tardor

Basic Antracita

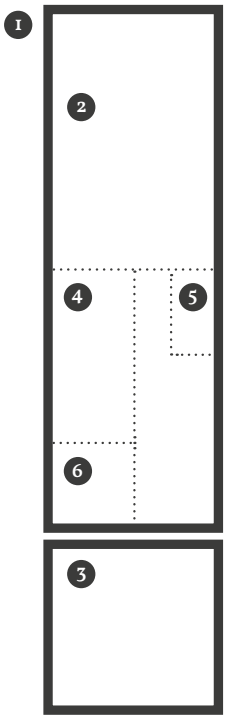
Basic Black

Blizzard Cendra

technical info

Sizes Formatos

1. 1000 x 3000 mm
   39,4" x 117"
2. 1500 x 1000 mm
   58,5" x 39,4"
3. 1000 x 1000 mm
   39,4" x 39,4"
4. 500 x 1000 mm
   19,7" x 39,4"
5. 300 x 500 mm
   11,7" x 19,7"
6. 500 x 500 mm
   19,7" x 19,7"



Finishes

Satin

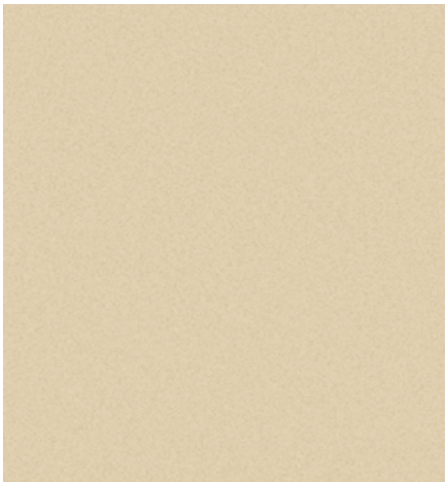
Thickness

3 mm / 3+ mm / 3+3 mm
5 mm / 5+ mm

the collection **Basic Ice**

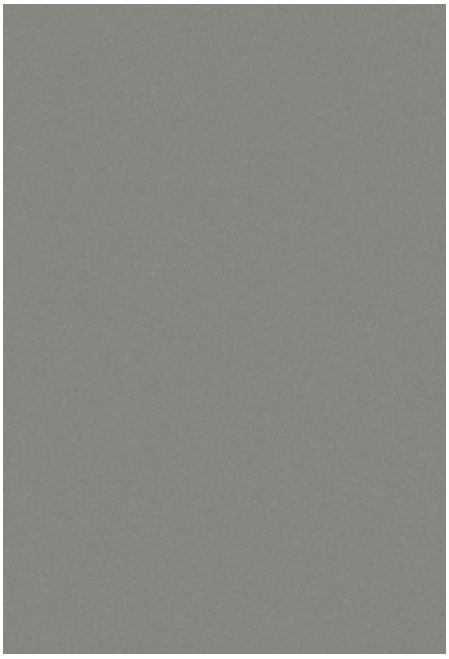
the collection **Basic Neu**

the collection **Basic Bone**



the collection **Basic Cappuccino**

the collection **Basic Tardor**



the collection **Basic Antracita**

the collection **Basic Black**

the collection **Blizzard Cendra**

XTECH

Surface Tops

For enthusiasts of flavour and cooking, those that become inspired and shape their creativity by seducing the senses.

XTECH Surface Top transforms your kitchen into a meeting point where convenience and design go hand in hand to encourage you to experience it to the fullest extent.

Waterproof qualities

Hygienic surfaces

Easy cleaning

Heat resistant

Suitable for food contact

*Chemical product resistant

*Stain-resistant

Unalterable colours

*Hardness

Environmental friendly

*For satin and natural finishes.

10 YEARS WARRANTY**

WARRANTY 10 YEARS

** The warranty is only for TECHLAM® TOP in Spain, Portugal, UK and USA.

Kalos Bianco

Dark Marble

Marvel Gold

Quartzite Stone

XTECH SURFACE TOPS

by **ARBOUR LANDSCAPE SOLUTIONS**

E N J O Y & C O O K

The ideal space for lovers of flavours and cooking, those who are inspired by and capture their creativity in the most delicious dishes without foregoing practicality and a trendy style.

Unique attributes that make of XTECH Surface Top countertops the most beautiful, versatile and easy-to-maintain choice.

technical info

Size

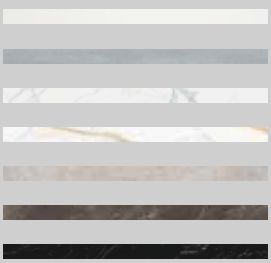
3200 x 1600 mm
126 ¨x 63 ¨

Design Bookmatch

Kalos Bianco, Marvel Gold,
Warm Marble & Dark Marble

Thickness

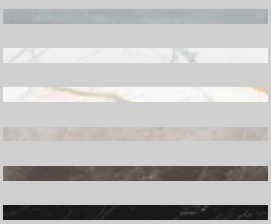
+12 mm / +1/2¨
With net



Finishes

Natural

Blaze Grey, Kalos Bianco, Marvel Gold, Quartzite Stone, Warm Marble & Dark Marble

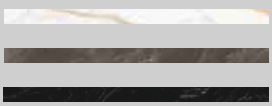


Satin

Basic Ice

Polished

Marvel Gold,
Warm Marble
Dark Marble

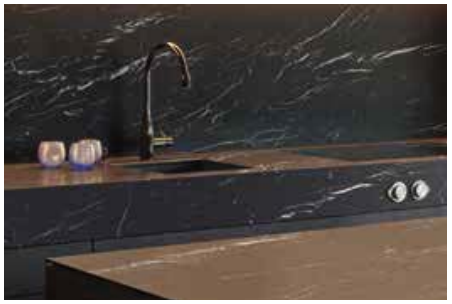


Quartzite Stone

Blaze Grey

Kalos Bianco

Basic Ice



NEW

Warm Marble

Marvel Gold

NEW

Dark Marble

Discover XTECH Surface Top

A revolutionary material that takes the kitchen worktop concept to a new dimension. Let the beauty and the love for cooking dazzle you.

With a range of colours inspired in classic natural stones, XTECH Surface Top give us back the sensuality of materials such as marble and quartzites without foregoing the resilience of the best porcelain material. XTECH Surface Top is a watershed in today's kitchens: the ideal solution for enjoying high-end kitchen countertops.

Projects

When versatility and imagination lead to projects as beautiful as they are functional.

Residential

Harmony and ease for the home.

Hotels

Exclusive places for unique experiences.

Restaurants

Versatility and design united.

Shopping centres

Where dimension is an advantage.

Cultural & educational centres

Avant-garde wisdom.

Sports facilities

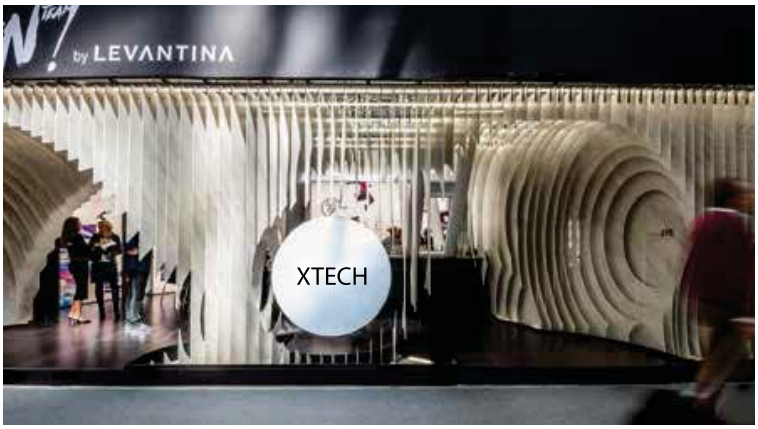
Powerful functionality and aesthetic.

Hospitals

Improvement of essential spaces.

Transport

Designed for traffic.



EMPORIA

National Ephemeral Architecture Awards
Emporia de Oro 2018: To the best design fair stand

Cersaie Stand Levantina XTECH

The premise has been to build a relationship space between the visitor and Levantina, permeable, as an extension of the transit streets, which dilutes the line of separation between public and private. It is 100% an open space of relationship, where the ceramic material, XTECH, allows with its large format and thin thickness to build a livable, voluminous and sensual architecture that prepares to welcome and celebrate human relationships in its inside, through a technological material of the 21st Century.

XTECH
Basic Black
Residential Villa Martín
Orihuela Coast, Alicante

XTECH
Dark Rust
Residential Laan van Spartaan
Amsterdam, Netherlands

01.
residential

XTECH
Basic Neu
Private House
Zahara de los Atunes
Cadiz, Spain

HARMONY AND EASE FOR THE HOME

Thin porcelain tiles are very widely used in residential constructions on floors, walls, countertops, furniture and façades. XTECH versatility means it can be used to design single-material projects for those building plans seeking a minimalist effect on surfaces.

One of XTECH advantages is its large size, which reduces the number of joints on floors and gives the space a feeling of continuity. This aesthetic is also highly functional: the reduced number of joints facilitates cleaning.

Furthermore, XTECH is also ideal for refurbishment projects as it can be installed directly on the existing surface, which translates into cost and time savings.

XTECH wide colour range facilitates the colour and finishing selection process, adapting to different interior decoration and design styles. It provides a truly original feel to the private residences where it is used.

XTECH
Kalos Bianco
Residential
WALDEN House at Burroughs Hill
NICK WIGMORE BEng
Pictures: Roger Dyson

XTECH
Alaska **White, Blaze Snow**
Residential San Juan playa, Alicante
Architect: +Arte by Antonio Cebrián.

XTECH
Kalos Bianco
& Slate Eboni
Hotel Tryp
Alicante, Spain

XTECH
Basic Antracita
& Basic Capuccino Hotel
Luabay La Cala Balearic
Islands, Spain

02. hotels

XTECH
Strata
Hotel Caserio
Gran Canaria, Spain

EXCLUSIVE PLACES FOR UNIQUE EXPERIENCES

Some of the hotel chains that have already placed their confidence in XTECH are: Sol Katmandu Park & Resort, Meliá Hotels (Spain); Hotel Luabay La Cala (Spain); Sandos Monaco Beach Hotel & Spa (Spain); Meliá Sitges (Spain); Viva Sun Village (Spain); Pabisa Orlando (Spain); Hotel Aquabeach (Spain); Viva Cala Mesquida (Spain); Hotel Portosoller (Spain); Viva Eden Binibeca (Spain); Ocean Portals (Spain); Hotel Miramola (Spain); Riu San Francisco (Spain); Hotel Sercotel Spa Porta Maris (Spain); Mercure Exeter Southgate Hotel (UK); Mercure Oxford Eastgate Hotel (UK); Mercure Windsor Castle Hotel (UK).

XTECH
Various colours
Pine Cliffs Hotel
Algarve, Portugal

XTECH
Hydra Wengué
Saccharum Hotel
Madeira, Portugal

Hotel renovations

The suitability of this material for renovations is emphasised by the XTECH 5+ format (5 mm thick + glass fibre mesh reinforcement), since its minimal thickness is reinforced by a fibre base that enables a balanced distribution of forces on the porcelain tile.

XTECH can be installed directly over existing flooring, increasing the height of the surface by only 5.5 mm. This means that existing floors and doors do not need to be levelled out. This easy and clean installation saves time and money during refurbishment.

03. restaurants

VERSATILITY AND DESIGN UNITED

XTECH is an alternative to traditional building materials, guaranteeing top-quality performance in the long-term. Thanks to the adaptability, lightness and modular format of the material, significant amounts of time and money can be saved, particularly in building projects to renovate or open shops and restaurants. Big companies such as Inditex and grupo Muerde la Pasta have used XTECH tiles when re-opening their new retail premises.

"With its **ceramic printing technology** on large-format slabs, we have created unique tiles, completely customised and made to measure. Additionally, due to its **resistance** and **thinness**, they can be used for outdoor and indoor cladding and pavements, providing consistency and coherence to the combination."

José Ramón Tramoyeres - gg architects

XTECH
Tailor made
Noor Restaurant
Cordoba, Spain

XTECH
Taylor made
Coque Restaurant
Madrid, Spain

XTECH
Basic Antracita
Ma Khin Café
Valencia, Spain

XTECH
Steel Corten
Muerde la Pasta
Madrid, Spain

XTECH
Basic Tardor
VAC1 Shopping Centre
Budapest, Hungary

XTECH
Basic Neu
Bomton Florentinum
Prague, Czech Republic

04.
shopping centres

WHERE DIMENSION IS AN ADVANTAGE

Its large size (up to 1000x3000 mm) makes installation easier, which means that XTECH is perfect for large-scale projects where meeting deadlines is fundamental. Furthermore, its durability and resistance to scratching make it highly recommendable for high-traffic areas.

XTECH
Basic Capuccino
KÖKI TERMINAL
Shopping Centre
Budapest, Hungary

05.
cultural & educational centres

AVANT-GARDE WISDOM

Many international construction projects have already used XTECH in their architectural designs: Galería Valzuela (Madrid, Spain); Jeonju University Star Center (Jeonju, South Korea); Fundación Botín, Santander Group (Madrid, Spain); University of Murcia, Fine Arts Faculty (Murcia, Spain); Gwangju Institute of Science and Technology (Gwangju, South Korea), Carballo Library (A Coruña, Spain); Uljin Library (Uljin, South Korea); Jerusalem Technological Center (Jerusalem, Israel).

XTECH
Basic Neu
Carballo Library
A Coruña, Spain

XTECH
Basic Collection
MUCAB
Murcia, Spain

XTECH
Various colours
C.E.I.P. School
Valencia, Spain

Cutting-edge designs

In the past few years, cultural and educational centres have made a U-turn in terms of their design to become true architectural monuments. The aim is to integrate these buildings into their environment in an aligned and orderly way, but very often their importance raises them to the status of urban symbols.

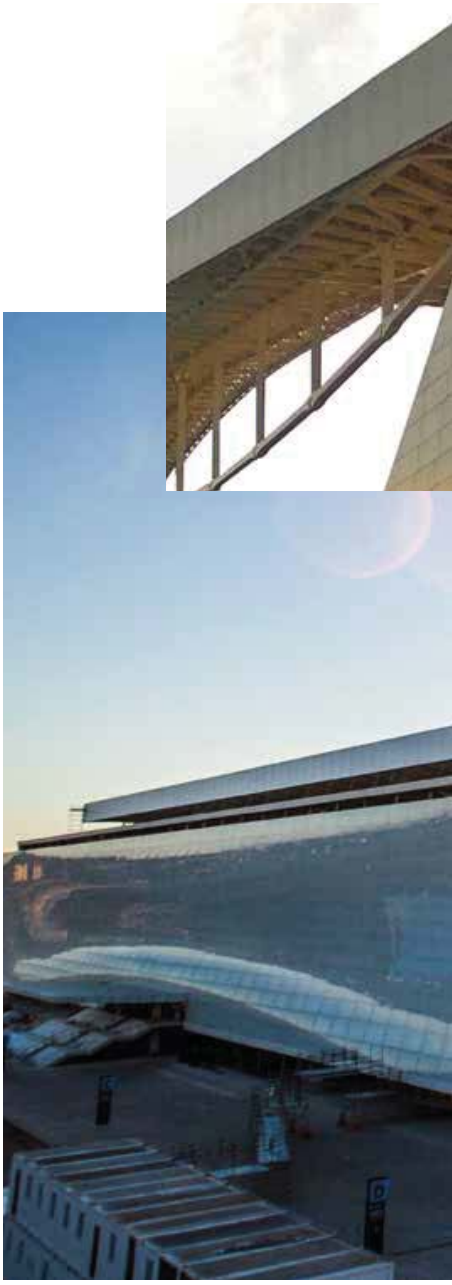
XTECH
Basic Ice
Chapel in Castle Leuchtenburg
Leuchtenburg, Germany

XTECH
Basic Neu
Galería Valzuela
Madrid, Spain

06.
sports facilities

POWERFUL FUNCTIONALITY AND AESTHETIC

Large-scale projects, such as football stadiums, stand out thanks to their cutting-edge designs and become not only icons for a team or a nation, but also hallmarks of the city where they are located. One of the most iconic projects that used XTECH was the Arena Corinthians in Sao Paulo (Brazil), where the opening match of the 2014 FIFA World Cup was held. A project for which 12,000 sqm of XTECH Neu were supplied for the stadium's exterior façade. The architects Coutinho Diegues Cordeiro / DDG chose this state-of-the-art innovative porcelain material for its ability to withstand harsh weather, sudden temperature changes and adverse weather conditions.



XTECH
Basic Neu
Arena Corinthians
Sao Paulo, Brazil

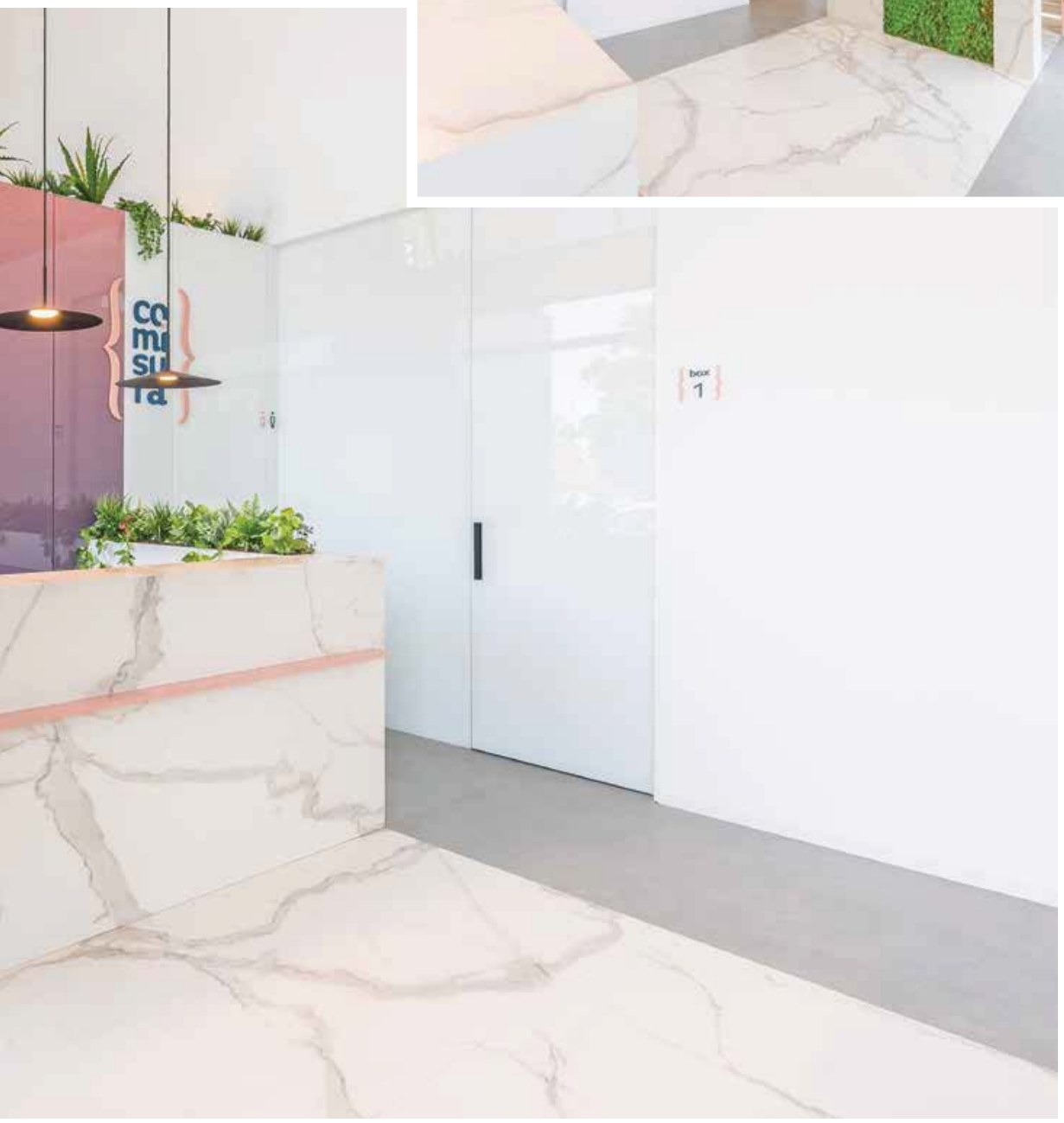
XTECH
Hydra Moka
Swimming Pool
Rincón de la Victoria
Má

XTECH
Various colours
Wellness area Pine
Cliffs Resort
Algarve, Portugal

07.
hospital s

IMPROVEMENT OF ESSENTIAL SPACES

Many hospitals have used XTECH: Kiryat Ono Hospital in Israel, Jaen Hospital, La Arrixaca Mother and Child Hospital in Murcia, Puerto Real Hospital in Cadiz, Old Spanish Army Hospital in Seville, Alfena Hospital in Porto, Ontigola Health Centre, El Madrugador Hospital in Seville, Axarquía Hospital in Malaga, Algeciras Hospital, Coria Hospital in Extremadura, San Rafael Hospital or Bionand Centre in Malaga.



XTECH
Kalos Bianco
Clinic Comisura
Elda, Alicante, Spain Pictures:
Miguel A. Cabrera

Use in sterile environments

XTECH meets all the necessary hygiene requirements for use in sterile environments. Its large dimensions considerably reduce joints between panels where bacteria easily reproduce.

Its ability to minimise joints makes this product the ideal cladding for walls and floors of operating rooms, laboratories and, in general, any sanitary areas with high exposure to these germs.

XTECH
Basic Neu
Clínica Svenson
Madrid, Spain

08.
transport

DESIGNED FOR TRAFFIC

One of the main advantages of XTECH is its high resistance to impact, cracking and wear and tear, making it particularly suitable for busy areas such as underground and train stations and airports. This solution has already been used in Waterloo station, one of London's busiest, and in one of the terminals of Frankfurt Airport in Germany.

One of the exclusive features of XTECH is its flexibility, which makes it particularly appropriate for curved surfaces such as tunnels or underground walls.

XTECH
Hydra Beige
Motol Hospital
Undergound Station
Prague, Czech Republic

90 · 117

technical booklet

Collections and their graphics

01.
Industrial Collection

Steel White
Mottled Brass
Steel Corten
Steel Chrome
Dark Rust
Cool Steel
Blaze Snow
Stone Grey
Blaze Dark
Rustic Walnut
Rust Grey
AlaskaWhite
Nomad Dark

02.
Stone Collection

Milos Bianco
Kalos Bianco
Marvel Gold
Strata
Quartzite Stone
Agatha Bianco
Basalto Beige
Basalto Oscuro
Slate Ivory
Ebony
Stone Black
Warm Marble
Dark Marble
Light Marble

03.
Wood Collection

Natura White
Natura Grey
Natura Brown

04.
Deco Collection

Chic White
Zahir Perle
Deco Trencadís

01. Industrial Collection

Steel White | Mottled Brass | Steel Corten

Rustic Chrome | Dark Rust | Cool Steel

05.
Vulcano Collection

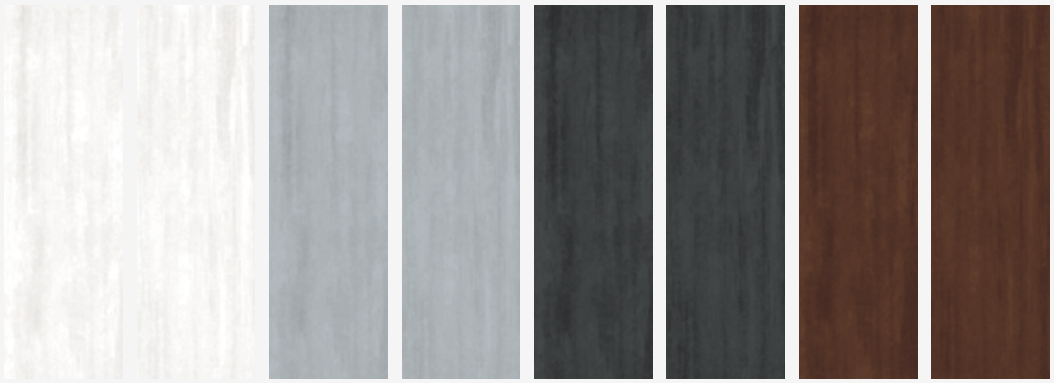
Vulcano Concrete
Light Volcanic Rust
Dark Volcanic Rust

06.
Hydra Collection

Light Sand
Grey Sand
Light Graphite

07.
Basic Collection

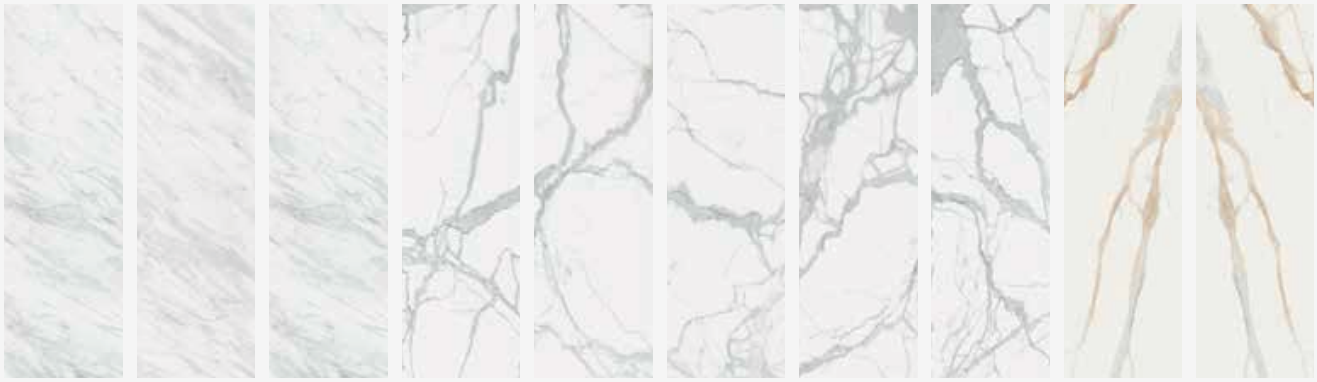
Basic Ice
Basic Neu
Basic Bone
Basic Capuccino
Basic Tardor
Basic Antracita
Basic Black
Blizzard Cendra



Blaze Snow | Stone Grey | Blaze Dark | Rustic Walnut

Rust Grey | Alaska White | Nomad Dark

02. **Stone Collection**



Milos Bianco

Kalos Bianco

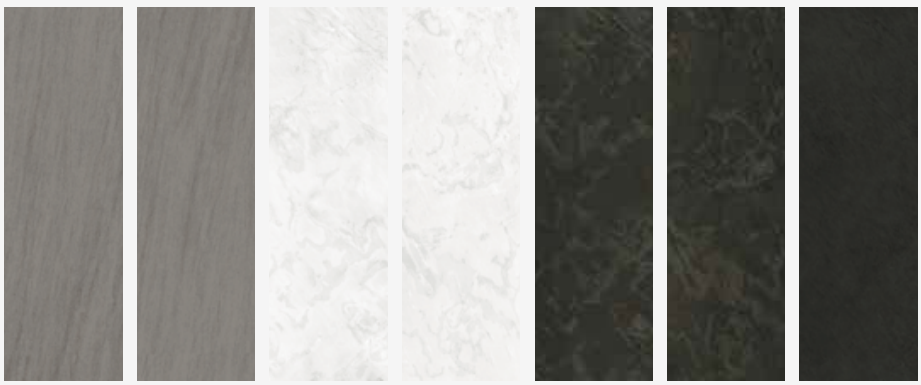
Marvel Gold

Strata

Quartzite Stone

Agatha Bianco

Basalto Beige



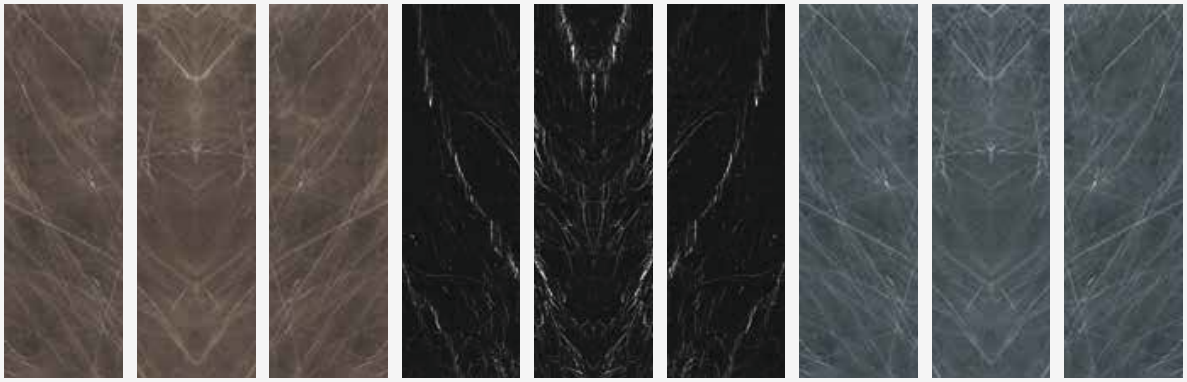
Basalto Oscuro

Slate Ivory

Ebony

Stone Black

02. **Stone Collection**



Warm Marble

Dark Marble

Light Marble

03. **Wood Collection**

Natura White

Natura Grey

Natura Brown

04. **Deco Collection**

Chic White

Zahir Perle

Deco Trencadís

05. Vulcano Collection

Vulcano Concrete | Light Volcanic Rust | Dark Volcanic Rust

06. Hydra Collection

Light Sand | Grey Sand | Light Graphite

07. Basic Collection

Basic Ice | Basic Neu | **Basic** Bone | Basic Capuccino | Basic Tardor | Basic Antracita | Basic Black | Blizzard Cendra

XTECH SURFACE TOPS Graphics

12 mm Countertops

Basic Ice

Stone Grey

Kalos Bianco

Marvel Gold

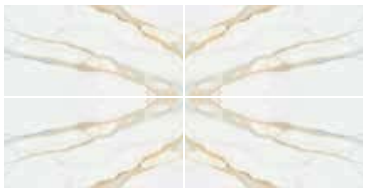
Quartzite Stone

Warm Marble

Dark Marble

Design Bookmatch

Kalos Bianco, Marvel Gold,
Warm Marble & Dark Marble



Guide colours: the pattern and colour of the porcelain product may differ from the printed image.

XTECH Green

XTECH is a natural product
• It can be ground down and used in other production processes.
• The relative thinness of XTECH (3 or 5mm) compared to a traditional tile (10mm) reduces the environmental impact of the production process, by using less raw materials, energy and water and also reduces transport costs.

42-94%

Product contains recycled material
Recycled material has been used as a raw material, so using XTECH has the following benefits:
• The environmental impact of extracting and processing the raw materials is reduced.
• It provides a solution to the demand for products containing recycled material for sustainable construction projects.
Self-declared environmental claims of the content of recycled available.

GREENGUARD Certificates
This certificate ensures that construction products for indoor use comply with strict emission limits based on tests and guidelines of the National Toxicology Program of the United States. The benefits of using XTECH are:
• It improves the quality of indoor air which makes it ideal for use in enclosed spaces.
• The GOLD certificate states that XTECH is an ideal material for indoor spaces particularly where children and sensitive adults spend extended periods of time, such as schools and healthcare facilities.
• It provides a solution to the demand for construction products containing recycled material for sustainable construction projects.
• It is a programme recognised by the US Green Building Council.

Member of the US Green Building Council
A non-profit organisation which oversees:
• The construction of sustainable buildings.
• The use of sustainable materials in the construction of buildings.
• The establishment of standards and criteria for the LEED certificate for sustainable construction.

The Environmental Product Declaration (EPD)
It is a type-III environmental certification that includes reliable, relevant, transparent and verified environmental information on all the environmental impacts that XTECH and natural stone can generate during their lifecycle. This Declaration is based on the EN ISO 14025:2010 International Standard and was therefore verified during the audit conducted by AENOR experts in our facilities.

Certification systems for sustainable construction
Using XTECH in a construction project contributes to obtaining points for the sustainable construction certificate. The best-known certification programmes internationally are:
• LEED (Leadership in Energy & Environmental Design), developed by US Green Building Council.
• BREEAM (Building Research Establishment Environmental Assessment Methodology) developed by BRE (Building Research Establishment) in the United Kingdom.

A+ Indoor Air Quality
XTECH has obtained the highest classification, A+, as the levels of hazardous substances released are well below the limits in the applicable guidelines.
The benefits of using XTECH are:
• It protects environmental quality in enclosed spaces and improves levels of comfort and wellbeing for installers, occupants and users.
• It provides a solution to the demand for products for sustainable construction projects.
• It complies with the French Government Regulation for construction products.

EC
With the statement of EC conformity, it is thereby stated that the product that is sold conforms with the regulatory requisites of the harmonized rules or technical specifications according to the application and anticipated use of the product, in accordance with European Regulation on Construction Products (EU) No. 305/2011.

ASTM
ASTM (American Society for Testing and Materials) is the institution that is in charge of developing the law on the testing and characterization of materials in the United States, thereby establishing the minimum requisites for the uses anticipated for each material.

ISO 9001
The ISO 9001 Quality Certificate confirms the successful implementation of a new quality management system in the XTECH factory.

AIDIMA Quality Symbol
XTECH has obtained the Quality Symbol by The Technology Institute on Furniture, Wood and Packaging (AIDIMA), certifying this thin ceramic tile as a suitable product for its use in the furniture manufacture.

CCC Certificate
The China Compulsory Certification (CCC) is a compulsory safety mark granted by Certification and Accreditation Administration of the People's Republic of China (CNCA) for the marketing of products in China.

Functional characteristics

The large sizes pieces XXL make the installation easier.

The panels can be printed with signs or pictures during the manufacture.

It does not blind with the reflection of hard light sources.

Long-life. Guarantees low maintenance and replacing panels is nearly no necessary.

its large size considerably reduces the area where the different units are joined together or where bacteria can be reproduced easily.

After its installation, it does not need any specific maintenance.

Technical characteristics

Physical-Chemical Properties	Standard	Required Value	Average XTECH rating. 3mm
Water absorption	UNE EN ISO 10545-3	Max. 0,5%	0,2%
Flexion resistance	UNE EN ISO 10545-4	Min. 35 N/mm2	54 N/mm2
Resistance to abrasion	UNE EN ISO 10545-7	Declare the abrasion class and revolutions	From Class 2 to Class 5 / From 600 to 12.000 revolutions
Surface hardness (MOHS scale)	UNE EN ISO 67-101	Test method is available	7
Resistance to chemical attack	UNE EN ISO 10545-13	No sample should present signs of chemical attack	No visible defects
Frost resistance	UNE EN ISO 10545-12	No sample should present visible defects	No visible defects
Fire resistance	Commission Decision 96/603/EC	Test method is available	A1 (Fire resistant)
Resistance (coefficient of restitution)	UNE EN ISO 10545-5	Test method is available	0,77
Stain resistance	UNE EN ISO 10545-14	Test method is available	Class 5. Stains cleaned with hot water
Slip resistance (pendulum method)	UNE ENV 12633	Test method is available	Depending on the finish
Resistance to termal shock	UNE EN ISO 10545-9	Test method is available	No visible defects

Versatility: XTECH is a large size XXL tile 1000x3000 mm that can be adapted to all sizes.

Waterproof qualities: almost 0 water absorption, water, liquids, organic materials and graffiti cannot penetrate into this material.

Hygienic surfaces: fully compatible with food stuffs. The product can be cleaned extremely easily.

Cleaning: no special cleaning products required.

Unalterable colours: without any organic pigment, XTECH color can resist UV radiation and extreme climatic conditions.

Heat resistant: XTECH is a high temperature resistant material.

Chemical product resistant: XTECH is resistant to detergents and disinfectants.

Breaking strength: its thinness provides great resistance to bending.

Hardness: scratch and abrasion resistant.

Environmental friendly: 100% natural. XTECH does not release any substances, also it can be easily milled and recycled.

Suitable for food contact. Does not release substances that harm the environment; totally suitable for contact with foodstuffs.

Stain-resistant. Does not stain when in contact with acids such as lemon or with cleaning products such as bleach or ammonia.

Packaging list

SIZES BY COLLECTION /

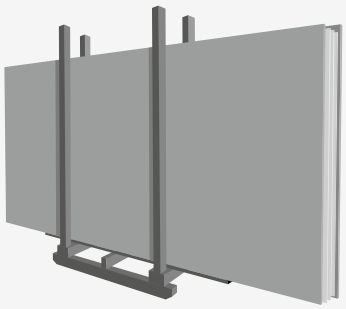
	1000 x 3000 mm	250 x 3000 mm	1500 x 1000 mm	1000 x 1000 mm	500 x 1000 mm	200 x 1000 mm	500 x 500 mm	300 x 500 mm
Basic Collection	●	—	●	●	●	—	●	●
Deco Collection*	●	—	●	●	●	—	●	●
Hydra Collection	●	—	●	●	●	—	●	●
Industrial Collection	●	—	●	●	●	—	●	●
Stone Collection	●	—	●	●	●	—	—	—
Vulcano Collection	●	—	●	●	●	—	●	●
Wood Collection	●	●	●	●	●	●	●	●

*Except Deco Trencadís. Only available in size 1000 x 3000 mm

XTECH TOP

	Basic Ice, Stone Grey, Kalos Bianco, Marvel Gold & Quartzite Stone
Slab Surface Area	5,28 m^2
SU Slab Surface	5,12 m^2
Slab Weight	152,47 kgs
Weight per m^2	28,88 kgs
Slabs per wooden bundle	18 uds
m^2 per wooden bundle	95,04 m^2
m^2 per wooden bundle SU	92,16 m^2
Wooden bundle Weight	100 kgs
Complete wooden bundle weight	2.845 kgs
Wooden bundle dimensions including packaging	3.300 x 600 x 2.000 mm

WOOD BUNDLE



THICKNESS / GROSOR

	3 mm	3 + mm	5 mm	5 + mm	3 + 3 mm
Horizontal Low Crate (127,95" x 46,06" x 10,23") (3250 x 1170 x 380 mm)	25	20	16	15	14
Horizontal High Crate (125.59" x 46.06 x 10.23") (3250 x 1170 x 260 mm)	50	46	35	33	25
Vertical Crate (125.59" x 21.65" x 52.36") (3190 x 550 x 1330 mm)	130	110	80	75	70
Special Crate (64,96" x 45,66" x 16,53") (1650 x 1160 x 420 mm)	55	-	45	39	25
Crate for 1000 x 1000 mm (45,66" x 45,66" x 24 x 40") (1160 x 1160 x 620 mm)	110	100	80	75	55
Crate for 1000 x 500 mm (45,66" x 45,66" x 24 x 40") (1160 x 1160 x 620 mm)	220	200	160	150	110
Crate for 500 x 500 mm (45,66" x 45,66" x 24 x 40") (1160 x 1160 x 620 mm)	440	400	320	300	220

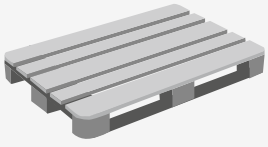
	SIZES	WEIGHT
Horizontal high crate	3250 x 1170 x 470 mm	100 Kgs
Horizontal low crate	3250 x 1170 x 330 mm	75 Kgs
Vertical crate	3250 x 550 x 1330 mm	185 Kgs

Note: For further information check out **XTECH** Packing on
www.**arbourlandscapesolutions.co.uk**

VERTICAL CRATE

HORIZONTAL CRATE

PALLET



Thickness, uses and finishes

3 mm

3 mm thick porcelain tile. It is fixed with an improved cement-like adhesive which provides appropriate adhesion and allows a certain level of deformation. It is important that the base is perfectly flat and, if not, a selflevelling compound should be applied. It weighs 7.1 kg per sqm. XTECH 3 mm provides high levels of resistance and durability. It is suitable for interior flooring and wall-covering and furniture.

3+ mm

3 mm thick tiles are reinforced with glass fibre netting and polyurethane resin. It can be fitted using an improved resinous cement which provides adequate adherence and a certain level of deformability. The base must be perfectly flat. With uneven bases, a self-levelling product must be applied.

5 mm

5 mm porcelain tile. It is fixed with an improved cement-like adhesive which provides appropriate adhesion and allows a certain level of deformation. It is important that the base is perfectly flat and, if not, a self-levelling compound should be applied. It weighs 11.87 kg per sqm. XTECH 5 mm provides high levels of resistance and durability. It is suitable for both paving and flooring and wall-covering and cladding.

5+ mm

5 mm porcelain tile reinforced with glass fibre netting and polyurethane resin. It is fixed with an improved cement-like adhesive which provides appropriate adhesion and allows a certain level of deformation. It is important that the base is perfectly flat and, if not, a self-levelling compound should be applied. It weighs 12,57 kg per sqm. XTECH 5 mm + reinforced provides high levels of resistance and durability. It is suitable for both paving and flooring and wall-covering and cladding.

3+3 mm

Two 3 mm thick tiles stuck together and pressed with polyurethane resin and glass fibre netting inside. Suitable for private and commercial floors with high traffic levels. It is fitted with a C2-type improved cement adhesive.

12+ mm

12 mm tile reinforced with glass fibre netting and polyurethane resin stuck. It is used mainly for countertops, flooring and ventilated fronts with hidden anchorage or fastening points, i.e. with interior grooves for fastening to a steel or aluminium substructure.

USE BY THICKNESS

	3 mm	3 + mm	5 mm	5 + mm	3 + 3 mm	12 + mm
Interior walls	●	●	●	●	●	●
Interior floors	—	—	●	●	●	●
Exterior walls	—	●	●	●	●	●
Exterior floors	—	—	—	—	●	●
Ventilated facades seen anchors	—	●	—	●	●	●
Countertops	—	—	—	—	—	●
High transit floors	—	—	●[a]	●[a]	●	●
Refurbishment directly over existing walls	●	●	●	●	●	●
Skirting	—	●	●	●	●	●
Composite panels (aluminium, plywood, plasterboard)	●	●	●	●	●	●
Refurbishment directly over existing floors	—	●[b]	●	●	●	●

[a] Interior floors. / Suelos interiores.
[b] See the XTECH technical guide.

USE BY COLLECTION

	Basic	Deco	Hydra	Industrial	Stone	Vulcano	Wood
Floors	●	●*	●	●	●	●	●
Walls	●	●	●	●	●	●	●
Facades	●	●	●	●	●	●	●
Furniture	●	●*	●	●	●	●	●
Countertops	●	—	—	—	●	—	—

FINISH BY COLLECTION

	Basic	Deco	Hydra	Industrial	Stone	Vulcano	Wood
Satin	●	—	●	—	—	●	—
Natural	—	●*	—	●	●	—	●
Bush Hammered	—	●****	—	—	●***	—	—
Matt	—	●**	—	—	—	—	—

*Only Deco Trencadís and Chic White. **Zahir Perle. ***Only Kalos Bianco, Graphite Stone, Strata and Quartzite Stone. ****Only Chic White

Care and maintenance

00.

XTECH is extremely easy to clean. For the best results, however, it is recommended the following: it is important to carry out tests beforehand on a small part of the material with the product to be used, to check that it does not damage the surface. Neutral or alkaline detergents, not acid-based, must be used to clean the Deco collection.

01.

CLEANING AFTER INSTALLATION

After finishing installation the ceramic surface must be cleaned to remove any contaminants (cement films, residual cement). It is vital to carry out this operation correctly, as if it is done badly or too quickly, it may result in grout haze which will affect daily cleaning. To clean properly it is always recommended following the instructions provided by the manufacturers of the cements and adhesives used in the installation, relating to waiting times, products which can be used and how to use them. With large surfaces it is recommended using a mechanical polisher with soft pads. It is not recommended cleaning after installation when the temperature is high, the cooler times of the day are more appropriate.

02.

CLEANING CEMENT PRODUCTS /

Residual cement, limescale, grout and cement mortars can be removed when and how indicated by the manufacturer using de-scaling products. These products must be used according to the manufacturer's instructions. In any case, bear in mind that apart from the properties of the detergent used, this operation may be more or less aggressive depending on:

01. Possible use of abrasive substances.
02. Temperature (high temperatures can make a detergent more aggressive).
03. Contact time (longer contact time increases the risk of chemical attack).

After cleaning with chemicals it is essential to rinse with clean water. It is also essential to immediately remove residual cement mortar with additives (resins, latex, etc.).

03.

CLEANING EPOXY PRODUCTS

Residual epoxy mortars must be removed immediately after installation with a sponge and abundant clean water. Then thoroughly clean with alkaline detergent, carefully following the instructions given on the products used.

04.

NORMAL CLEANING

Grease removing products or neutral detergents can be used for day-to-day cleaning of XTECH tiles. These must be diluted in water according to the instructions given on the packaging. Shiny films may form on the surface of the tile over time with the use of normal detergents. Pouring some drinks, such as cola, water and wine on the flooring may remove these films and re-establish their original appearance. The parts with opaque grout haze are therefore the only clean areas of the flooring. To prevent accumulation of wax and the formation of shiny films it is recommended using only neutral detergents for day-to-day cleaning whereas all the flooring will have to be dewaxed to remove all these deposits.

05.

EXTRAORDINARY CLEANING

To remove particularly stubborn stains or residues it is generally recommended cleaning initially with abundant running hot water.

If this is not sufficient, increasingly aggressive cleaning techniques can be used depending on the properties of the cause of the stains:

01. pH neutral non-abrasive detergents.
02. Abrasive detergents.
03. Acid or low pH detergents (except for Deco).
04. Solvent based detergents (except for Deco).

Care and maintenance

06.

FINAL CLEAN-UP

Having affixed the panels, it is extremely important to thoroughly clean them in order to remove all excess grout and general construction dirt. We recommend using a slightly acidic detergent for this task. This product will not give off toxic fumes and is kind to the grouting, materials and the user. Materials affixed using an epoxy- or resin-based grout should be cleaned using a product designed specifically for epoxy-based dirt.

07.

MAINTENANCE

To ensure the flooring tiles remain in good condition, we recommend using a highly effective, neutral detergent..

TYPE OF STAINS	TYPE OF DETERGENT
Regular Cleaning	Common detergent
Oxides	Acid descaling agent
Limescale	Alkaline detergent / acid descaling agent
Wine	Alkaline detergent / acid descaling agent
Ice Cream	Alkaline detergent / acid descaling agent
Resin or glaze/enamel	Solvent
Coffee	Alkaline detergent / acid descaling agent
Wax candle	Solvent
Greases	Alkaline detergent / acid descaling agent
Cement	Acid descaling agent
Grouting joints	Acid descaling agent
Plaster	Acid descaling agent
Joints and epoxy-based adhesives	Solvent

XTECH is affected by hydrofluoric acid, which might be present in anti-rust products. Therefore, the use of those pro-ducts might alter XTECH.

Clean kitchen Top **XTECH SURFACE TOP®**

ROUTINE MAINTENANCE

For daily porcelain countertop cleaning, a damp microfibre cloth is sufficient. For regular cleaning, we suggest using a neutral liquid detergent with a soft sponge or microfibre cloth.

HOW TO CLEAN KITCHEN COUNTERTOP & BATHROOM VANITIES

Stubborn deposits can be removed with a slightly abrasive sponge; if necessary, use a specially formulated stain remover (see table). Do not use steel wool pads.

CAUTION

Observe the detergent manufacturer's precautions and recommended dilutions. Do not use products containing hydrofluoric acid or its derivatives.

LEGEND

-Alkaline detergent: degreasing agents in general, ammoniac
-Acid detergent: descaler, pickling agent for removing cement residue
-Solvents: white spirit, nitro diluent, alcohol, acetone and similar products
-Cream or powder detergent: products for cleaning hard surfaces
-Neutral detergent: generic pH-neutral cleaning product

PRECAUTIONS

Remove any spills of staining liquids (like coffee, tea, red wine), caustic substances (such as oven cleaner), acids and colorants as soon as possible and rinse with water. XTECH Surface Top porcelain countertops are particularly resistant to thermal shocks. You can place hot pans directly on the surface, however we recommend using trivets to protect the surface over time. Ceramic knives can damage the surface; use a cutting board. Avoid hitting the most delicate parts of the surface, such as its corners and edges.

TYPE OF DIRT	NATURAL SURFACE DETERGENT	POLISHED SURFACE DETERGENT
Traces of metal	Neutral / acid detergent	Neutral / acid detergent
Cola	Neutral detergent	Neutral detergent
Lemon	Neutral detergent	Neutral detergent
Coffee / tea	Neutral detergent	Neutral detergent / bleach
Wine	Neutral detergent	Neutral detergent / bleach
Sauces / Ketchup	Neutral detergent, cream or powder detergent	Neutral detergent, cream or powder detergent
Fat	Neutral / alkaline detergent	Neutral / alkaline detergent
Oil	Neutral detergent	Neutral detergent
Scale / rust	Acid detergent	Neutral / acid detergent
Fruit juice	Neutral detergent	Neutral detergent / bleach
Ice cream	Neutral detergent	Neutral detergent / bleach
Resins	Solvent	Solvent
Permanent marker	Cream or powder detergent	Neutral detergent / bleach
Vinegar	Neutral detergent	Neutral detergent / bleach

Cutting

XTECH 3 mm and XTECH 3+ mm tiles can be cut with a glass cutter, a handheld tile cutter, an electric disc cutter or a handheld grinding machine. XTECH 3+3 mm tiles should be cut with handheld grinding machines or electric disc cutters.

If you are making special cuts or shapes, use a water jet system or the cutting benches usually used by marble cutters and glaziers. As with any conventional ceramic product, these panels should be cut and drilled from the front of the panel to the back of the panel.

01. Cutting tools

SLIM CUTTER SYSTEM (RUBI)

Handheld porcelain panel cutting system for large, thin XTECH tiles.

This machine allows you to cut XTECH tiles on site.

It is easy to transport and includes extruded aluminium guides measuring 110 cm in length that can be joined together. The tool can cut up to 310 cm in length, making it the perfect on-site XTECH cutting machine.

The silicon cords included at the base of the guides and the suction pads ensure and provide a straight cut.

The tungsten carbide cutting wheel is treated with titanium carbide, guaranteeing improved performance and a high-quality scoring line.

The separation system works by using adjustable pincers, meaning that the piece is separated gradually, reducing the risk of breakage.

02.

HANDHELD GLASS CUTTER. SILBERSCHNITT BOHLE MODEL

Silberschnitt is a glass cutter with a glass-cutting wheel and a plastic handle for a better grip. When cutting XTECH 3 mm and XTECH 3+ mm tiles, it is important to keep the handheld glass cutter in contact with the scored line throughout the process.

To ensure that the cut is as straight as possible, the aluminium bars generally used by builders can help. Once the cut has been made, the two pieces of XTECH can simply be broken apart. When using XTECH 3+ mm tiles, the ceramic area is firstly cut with a general cutter and then the glass fibre is cut.

03.

PORCELAIN SAW BLADE FEATURING CONTINUOUS RIM

The saw blades should feature a continuous rim. They can be used on handheld electric grinding machines and on cutting benches. In both cases, high rotation speeds need to be used (>2,500 rpm) in combination with low forward speeds (<1m/min).

Depending on the type of blade and the length of the cut, the blade may need to be cooled using water.

One of the advantages of this type of cut is that it can easily be made using a handheld tool and another advantage is the fact that the material can be cut during the fixing stage.

Drilling

00.

XTECH can be drilled easily using diamond tools for glass and ceramic tiles, either dry or with water. Before starting any operation, make sure you have a clean and flat work surface.

Check that the circular drills and diamond discs to be used in the angle grinders are in good condition. After cutting the tiles they must be handled and laid with the greatest care.

When using handheld drilling tools, tungsten drill bits can be used with electric drills.

If using these tools, we recommend that you:
1. Cool the drilling area with water.
2. Start drilling at a slow speed.
3. Do not press too hard.

DRILLING TOOLS

Non-hammer action diamond drills:
- Various diameters.
- Need to cool the cut.

Widia bits for the angle grinder:
- 35 mm diameter.
- Dry-cutting.

Drill bits for ceramic tiles:
- Small diameters.
- Cooling while cutting.

During the use of drills, do not use percussion mode for drilling.

THE DRILLING, CUTTING AND BEVELLING PROCESS

1. When making holes with a maximum diameter of 8-10 mm, use tungsten or diamond glass or tile drill bits with electric drills. Do not use in impact drill mode and start drilling at a slow speed. Don't press too hard on the surface. It is a good idea to use water to cool the drilling area and drill.

2. When making holes with a diameter larger than 8-10 mm, use a diamond burr drill bit. Start by holding the drill at a slight angle to the tile. These tools can be used with or without water.

3. If making multiple holes in a single tile, it is a good idea to use XTECH 3+ mm.

4. When making internal holes in the tile or L-cuts, we recommend using an electric grinding machine with diamond saw blades and a continuous rim. A high rotation speed should be used with a low forward speed. With XTECH 3 mm, it is a good idea to make holes with the drill bit in the vertices of the main opening you are going to make before using the grinding machine.

5. For a correct finish and to prevent rough edges, it is important to use different sized diamond sponge polishing pads.

Recommended adhesives

INSTALLING IN INTERIORS

Adhesives for installing in interiors on damp-proofing systems (tiles with or without glass fibre reinforcing netting).

RECOMMENDED ADHESIVES

	NORMAL SETTING		FAST SETTING	
Size of the tile	Adhesive	Degree of comp. with EN 12004	Adhesive	Degree of comp. with EN 12004
< 5000 cm² *	KERAFLEX MAXI S1	C2TE S1	GRANIRAPID	C2F S1
	ULTRALITE S1	C2TE S1	ULTRALITE S1 QUICK	C2FT S1
> 5000 cm²	KERABOND + ISOLASTIC	C2E S2	ELASTORAPID	C2FTE S2
	ULTRALITE S2	C2E S2	ULTRALITE S2 QUICK	C2FE S2

Installing on interior under-floor heating (tiles with or without glass fibre reinforcing netting).

RECOMMENDED ADHESIVES

	NORMAL SETTING		FAST SETTING	
Size of the tile	Adhesive	Degree of comp. with EN 12004	Adhesive	Degree of comp. with EN 12004
< 5000 cm² *	KERABOND + ISOLASTIC	C2E S2	ELASTORAPID	C2FTE S2
> 5000 cm²	ULTRALITE S2	C2E S2	KERAQUICK + LATEX PLUS	C2FT S2

Installing on interior walls (tiles with or without glass fibre reinforcing netting).

RECOMMENDED ADHESIVES

	NORMAL SETTING		FAST SETTING	
Size of the tile	Adhesive	Degree of comp. with EN 12004	Adhesive	Degree of comp. with EN 12004
< 5000 cm² *	KERAFLEX MAXI S1	C2TE S1	GRANIRAPID	C2F S1
	ULTRALITE S1	C2TE S1	ULTRALITE S1 QUICK	C2FTE S1
> 5000 cm²	KERABOND + ISOLASTIC	C2E S2	ELASTORAPID	C2FTE S2
	ULTRALITE S2	C2E S2	ULTRALITE S2 QUICK	C2FE S2

*(the bigger side must not be more than 100 cm)

Recommended adhesives

INSTALLING IN EXTERIORS

Adhesives for installing on façades of tiles without glass fibre reinforcing netting.

RECOMMENDED ADHESIVES

	NORMAL SETTING		FAST SETTING	
Size of the tile	Adhesive	Degree of comp. with EN 12004	Adhesive	Degree of comp. with EN 12004
< 5000 cm² *	KERAFLEX MAXI S1	C2TE S1	ELASTORAPID	C2FTE S2
	ULTRALITE S1	C2TE S1	ULTRALITE S1 QUICK	C2FTE S1
> 5000 cm²	KERABOND + ISOLASTIC	C2E S2	KERAQUICK+ LATEX PLUS	C2FT S2
	ULTRALITE S2	C2E S2	ULTRALITE S2 QUICK	C2FE S2

Adhesives for installing on façades of tiles with glass fibre reinforcing netting.

RECOMMENDED ADHESIVES

	NORMAL SETTING		FAST SETTING	
Size of the tile	Adhesive	Degree of comp. with EN 12004	Adhesive	Degree of comp. with EN 12004
< 5000 cm² *	KERABOND + ISOLASTIC	C2E S2	ULTRALITE S2 QUICK	C2FE S2
	ULTRALITE S2	C2E S2		
> 5000 cm²	KERALASTIC T	R2T	KERAQUICK+ LATEX PLUS	C2FT S2

*(the bigger side must not be more than 100 cm)

INSTALLING ON SPECIAL SUBSTRATES

Adhesives for installing in interiors on damp-proofing systems (tiles with or without glass fibre reinforcing netting).

RECOMMENDED ADHESIVES

NORMAL SETTING			FAST SETTING	
Size of the tile	Adhesive	Degree of comp. with EN 12004	Adhesive	Degree of comp. with EN 12004
< 5000 cm² *	KERAFLEX MAXI S1 ULTRALITE S1	C2TE S1	ELASTORAPID ULTRALITE S1 QUICK	C2FTE S2 C2FT S1
> 5000 cm²	KERABOND+ ISOLASTIC ULTRALITE S2	C2E S2	KERAQUICK+ LATEX PLUS ULTRALITE S2 QUICK	C2FT S2 C2FE S2

Adhesives for installing in interiors on wooden surfaces, plywood and metal (tiles with or without glass fibre reinforcing netting).

RECOMMENDED ADHESIVES

NORMAL SETTING			FAST SETTING	
Size of the tile	Adhesive	Degree of comp. with EN 12004	Adhesive	Degree of comp. with EN 12004
< 5000 cm² *	KERALASTIC KERALASTIC T	R2 R2T	KERAQUICK+ LATEX PLUS ULTRALITE S2 QUICK	C2FT S2 C2FE S2

Note: these recommendations are only valid for the European market.

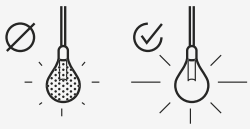
*(the bigger side must not be more than 100 cm)

Instructions for laying **XTECH** ceramic tiles

01.

Making the right choice of tools and implements is important: notched trowel, rubber mallet, suction cups and cross-spacers for installing tiles, rubber trowel for grouting.

04.

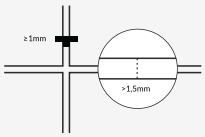


During installation, there should be enough light to easily spot any sort of defect, especially the appearance of projecting tile edges.

05.

The type of adhesive to be used is determined by the properties of the substrate to be tiled (brick, wood, plaster, metal or other surfaces), as well as the characteristics of the chosen ceramic tiles (with or without glass fibre), the tile format and the end use.

08.

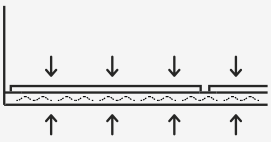


According to 'The Ceramic Tile Guide', the separation between pieces must be more than 1.5 mm. The cross-spacers to be used must be at least 1 mm.

09.

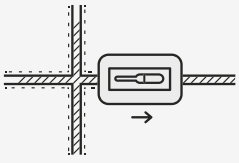
We recommend that you compensate the levelling for any possible movement or contraction of already-installed material. This procedure will prevent most minor differences in levels.

12.



Joints should be grouted once tiles are firmly bonded to the substrate (please check adhesive manufacturer's recommendation).

13.



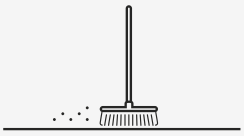
The grouting material should be applied with a rubber trowel (using metallic trowels may damage the glazed surface of tiles). We recommend that you use the most suitable grouting material colour to match the floor or wall cladding.

Reference source: 'The Ceramic Tile Guide', published by the Valencia Building Institute, the Valencia Regional Association of Architects and the Valencia Regional Department of Public Works, Urban Planning and Transport. UNE-EN14411. For further information: www.levantina.com - info@levantina.com

02.

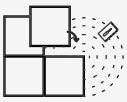
The substrate (wall or floor) to be tiled must be perfectly level, with no defects in planarity (self-levelling compounds may be used when necessary). We recommend that damp areas be waterproofed beforehand. The levelling in the adhesive layer must be uniform, with the aim of preventing the emergence of tile edges.

03.



For better bonding strength of the adhesive we recommend first cleaning the surface to be tiled.

06.

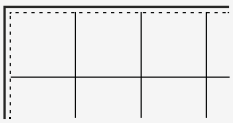


The thin-bed installation method is recommended with a flexible adhesive. This type of adhesive is deformable over extended working periods. For 3+ mm pieces with a glass fibre base, the buttering-floating technique is recommended, which consists of applying the adhesive on both the substrate and the back of the tile, paying special attention to fully covering the corners.

07.

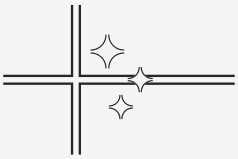
Careful handling is advisable to prevent nipped edges, chipping or scratches on the tile surface.

10.



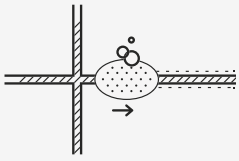
We recommend that you consider the inclusion of perimeter joints, which will help absorb any movements after installation. If the substrate already has its own structural joints or dividing joints, these must be respected when ceramic tiles are installed.

11.



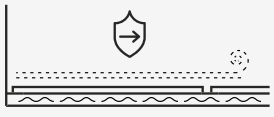
The installation joints must be empty and free of bonding materials and traces of dirt and grime. In this way, the adhesion of the grout will be improved and will be more effective.

14.



Removing excess grouting material must not be left for too long after finishing the work. Use a sponge dampened in water. This operation will help prevent the grouting material from becoming embedded in the glazed surface, especially in those which has textures some designs of the XTECH collections.

15.



When laying floor coverings, and once the ceramic tile is laid, we recommend that you protect the surface until the building project is complete. Following this procedure will safeguard the material and will make cleaning easier.

Don’t stop, keep on discovering

The Collection by Arbour Landscape Solutions does not end here. Keep on discovering the entire variety at **www.arbourlandscapesolutions.co.uk**

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