

This information dossier is an introduction to the transformation of our way of clay roof tile manufacturing. A major event in the roofing sector that will give a surprising twist to the design of roof coverings in the world of architecture.

Exclusive processes and innovative solutions for architects, builders and installers.

Open your eyes to a world of possibilities still not discovered. Unleash your creativity. Now, your projects can become unique.

It's THE REVOLUTION.

C R E A T E
I N N O V A T E
L E A D



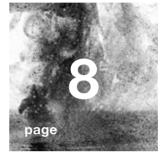




We're going to change the world, five things that make us unique.



A revolution, in manufacture, decoration and installation.



**BorjaJET,** we're the first to exploit Inkjet technology.



New formats, constructive solutions for cutting-edge architecture.

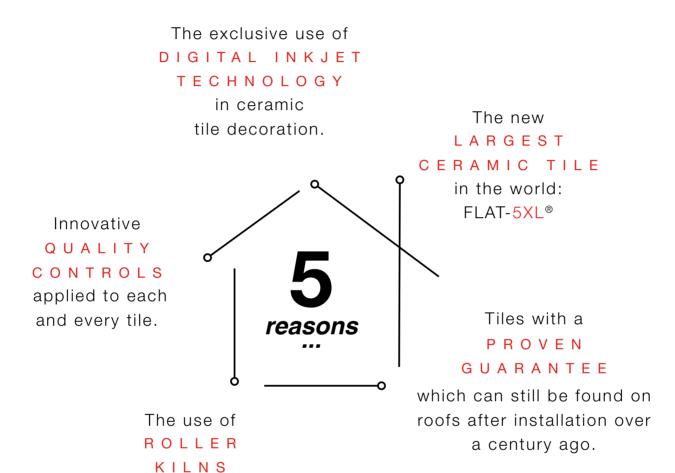


BorjaTHERM, our new SATE system for sloping roofs.



**Detailed list** of available finishes and formats.





in our production systems.

... why **the design** of sloping roofs **is now limitless**.



AREAS OF INNOVATION

THEREVOLUTION

of the ceramic tile sector

Continual investment in sustainable manufacturing processes and technological innovation have resulted in improvements in our working methods in two main areas:

#### **QUALITY STANDARDS**



We classify our quality standards in 4 new categories according to the manufacturing process used to give our products their excellent definition and flatness. We denote these categories using icons depicting the exterior profiles which define them.

#### FINISHING TECHNIQUES



We classify our finishing techniques in 3 new categories according to the technique used. We denote these categories with icons using a colour-filled circle as we are talking about the exterior finish of our products.



# Borja EXTREM

Exclusive to Tejas Borja, a roller kiln manufacturing process using ceramic clay with very low water absorption, less than 3%, to produce large tiles.



## BorjaTECH

Plaster moulds and H-cassette production. More compact clay. Very low absorption and extremely strong.



# Borja CLASS

Manufacturing using high-quality, very fine, red sintered clay. Very low absorption and extremely strong.



# Borja **BLANC**

Selection of special white clays. The natural shading typical of these clays makes them ideal for the Mediterranean climate.



# Borja JET

**New Inkjet technology,** the digital printing system allows us to create finishes never used before in the sector.



# Borja LINE

**Aged and monochrome,** obtained through the application of engobes and ceramic deposits.

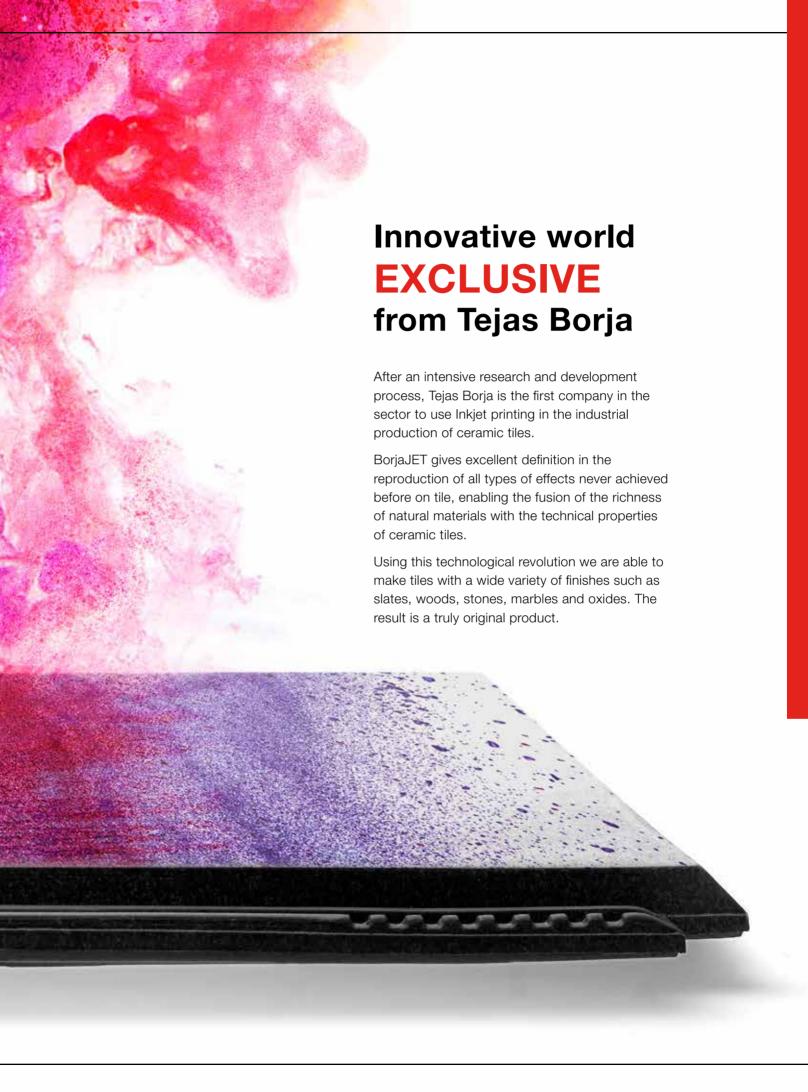


## Borja DECOR

Finishes obtained through double firing, glosses and glazes which prevent premature ageing.







We unite the charm of the traditional with the benefits of Inkjet technology.

THE REVOLUTION of the ceramic tile sector



Five generations ago we began a long trip around the world. During all these years we visited incredible places and were where nobody had arrived in search of the pure essence of the nature.

We knew incredible people and wonderful places, magic, with soul.

We learnt where sensitivity it's born and what makes us tremble with our emotions.

#### We found... The essence for our new collection.



Ceramic **SLATE** 



Ceramic **STONE** 



Ceramic CEMENT



Ceramic MARBRE



Ceramic **WOOD** 



Ceramic OXIDE



Ceramic COTTO

ALWAYS SEARCHING OUR INSPIRATION TO BE ABLE TO INSPIRE YOU





# Slate

The Ceramic Slate series enhances the beauty of slate with amazing definition and shades.

We create our ceramic slates by researching natural slates from the largest quarries in Great Britain and Spain.

Ceramic slate tiles give the same feeling as natural slate but create traffic-safe roofs with lower maintenance needs.









### **NEPAL**



Orange

#### **DUBLIN**



Grey

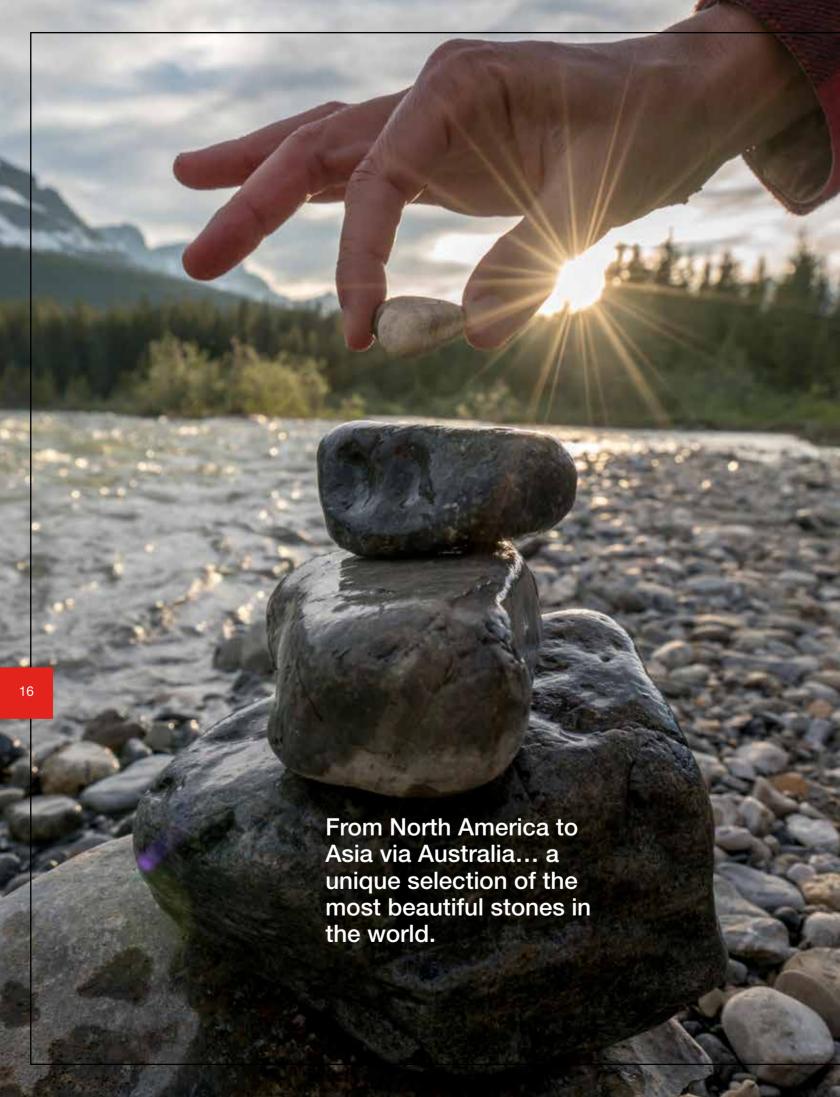
### **PARIS**



Ocre







# Stone Ceramic

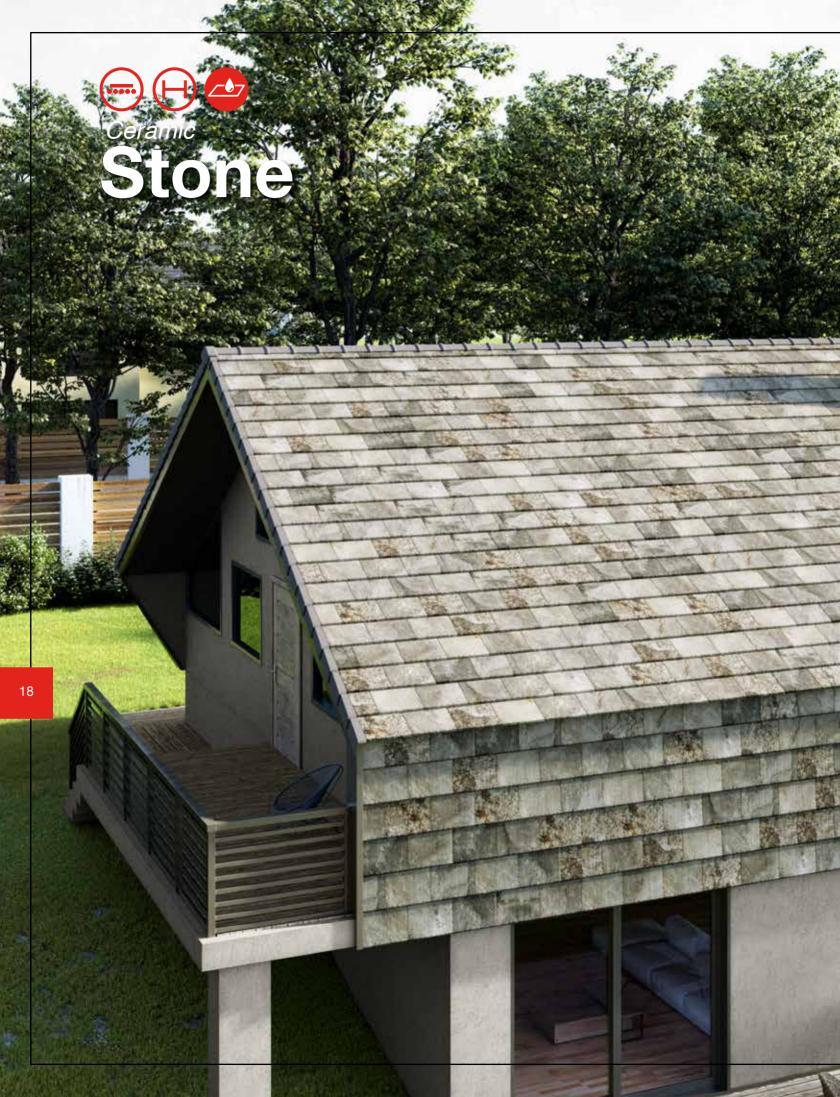
Since ancient times stone has been one of the most-used construction materials.

Builders have tried to capture the essence of their times in stone.

Today stone is most commonly used for cladding, but with the Ceramic Stone series it's possible to create a ceramic roof with the colours of natural stone.









### **AUSTIN**

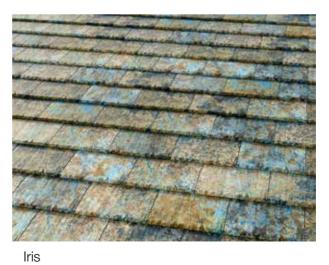


Grey

### **DENVER**



Gold



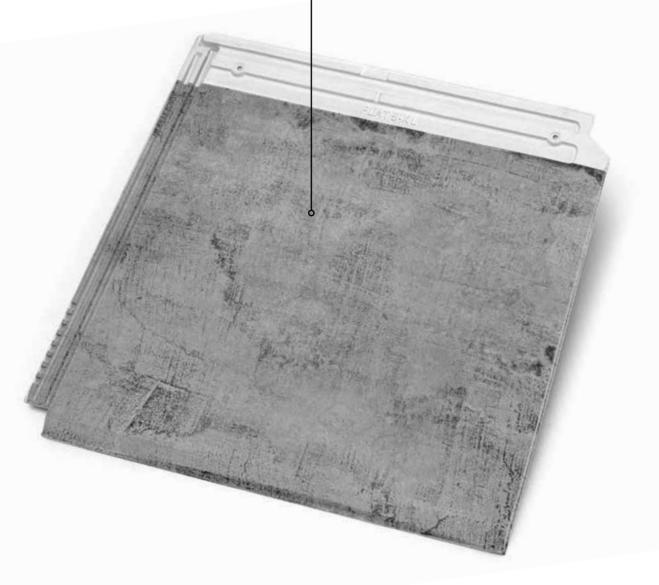




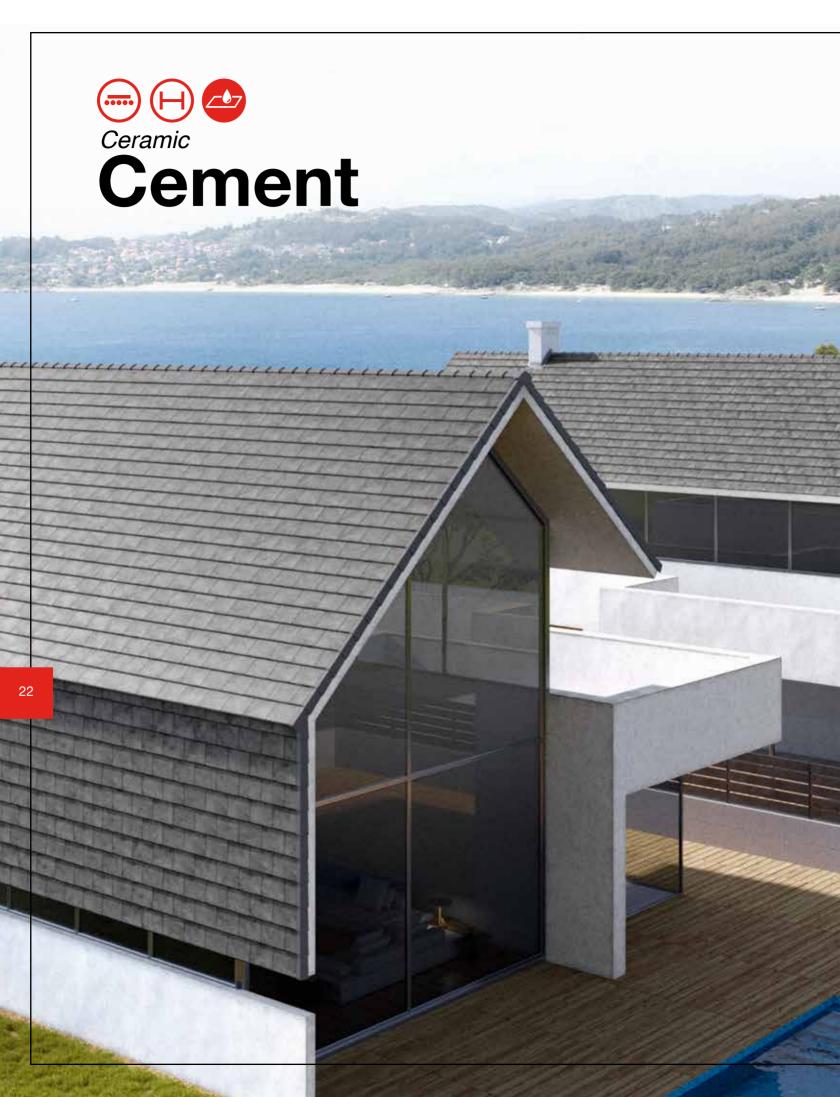
# Ceramic

The latest trends in architecture tend towards a style of construction using basic materials. Without ornament and with a timeless style.

The Ceramic Cement series offers a way to achieve this industrial aesthetic without having to renounce the functionality of tile.









### SIDNEY



Graphite







# Ceramic Marble

With the Ceramic Marble series we can bring the unique appearance of marble to sloping roofs, with the added benefit of no environmental, structural or installation barriers.

A series offering incomparable quality, natural appearance and colour effects with great aesthetic value.

We source our samples from quarries in Tuscany, South America, India and the Iberian Peninsula to obtain a selection of designs.









## ROMA



Dark







# Vood Vood

Tradition and technology come together to offer the best of both worlds.

The quality and texture given by the appearance of wood together with the

appearance of wood together with the properties and benefits of ceramic.

The total fire resistance of ceramic tiles removes limits on their installation and means they can be used on any roof to eliminate fire risk.







### TORONTO



Cognac







# Ceramic Oxide

The aesthetic of weathering steel and oxidised metal evokes an industrial and avantgarde architectural style which can now be achieved with ceramic tiles. An ideal product to overcome the limits of metal in contact with the roof structure in sloping roofs.

The range of colours available in the Ceramic Oxide collection, in brown and orange tones, has been designed to reproduce different textures and degrees of oxidation.









# токуо



Copper







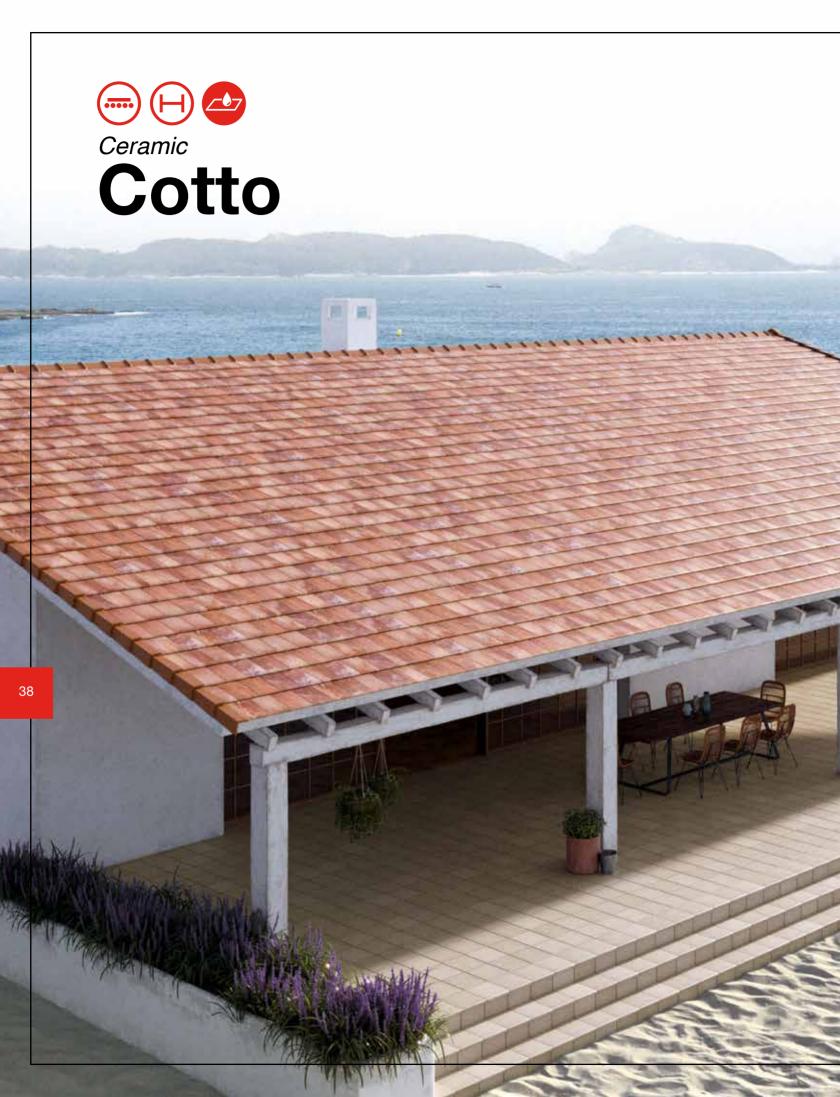
# Ceramic

Being leading experts in this material means we know that the appearance of a ceramic tile depends on many factors, allowing us to obtain a range of colours and very specific shades.

If we add to this the ageing effect caused by the passing of time we obtain the Ceramic Cotto series.







# IBIZA



Pink







```
FLAT-5XL®
   THE LARGEST
   CERAMIC TILE
   IN THE WORLD
FLAT-10 Tech _
TECHNICA-10 ___
TB-10 Tech _____
```



# FLAT-5XL®

THE LARGEST CERAMIC TILE IN THE WORLD

THEREVOLUTION

Available in all our exclusive finishes

pages 10-39



BorjaJET



**EXCLUSIVE** 

the sector and perfectly flat.

both sloping roofs and facades.

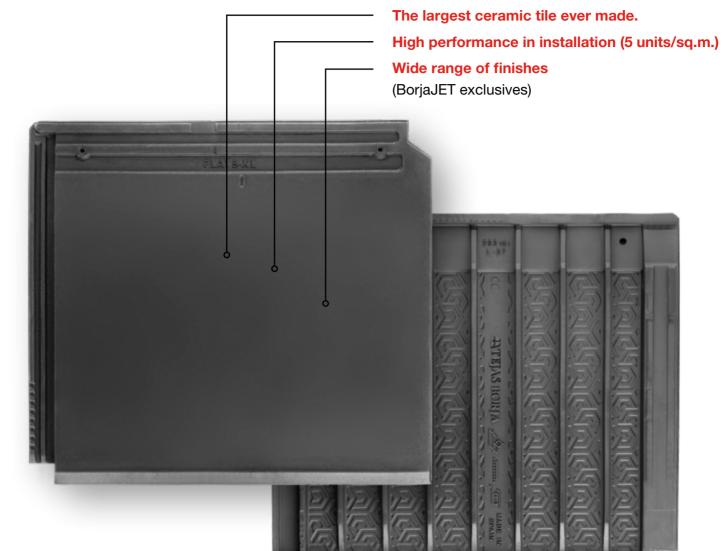
to Tejas Borja

We are pleased to debut the largest ceramic tile on the market: unique in

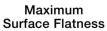
Its versatility means it can be used for

® PATENTED MODEL











Minimum Slope 35%



Longitudinal Overlap 50 mm

Characteristics		
Width	510 mm	
Length	457 mm	
Weight	6.7 kg/tile	

Installation	
Tiles /sq. m.	5,4 units
Minimum batten spacing	340 mm
Maximum batten spacing	390 mm





Perfect, deep fit

Large format - 10 units per sq. m.

**Exclusive BorjaJET finishes** 

Lightweight









Longitudinal Overlap 40 mm



Characteristics	
Width	285 mm
Length	469 mm
Weight	3.6 kg/tile

Installation		
Tiles /s.q. m.	9,9 units	
Minimum batten spacing	365 mm	
Maximum batten spacing	405 mm	

#### **NATURE**









Red

Moss Red

## AND ...



Complete range OF EXCLUSIVE DIGITAL FINISHES on pages 10-39



# **PLAIN COLOUR**









Deep channel, extremely watertight

**Great definition** 

Easy to install









Minimum Slope 35%



Longitudinal Overlap 50 mm

Characteristics	
Width	262 mm
Length	471 mm
Weight	3.5 kg/tile

Instalación		
Tejas /s.q. m.	10,7 units	
Minimum batten spacing	370 mm	
Maximum batten spacing	420 mm	



## **NATURE**









Red Moss Red



## **PLAIN COLOUR**







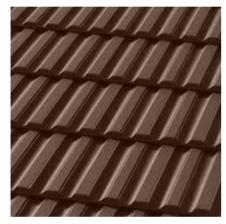




Light Grey

Mid Grey

Graphite



Chocolate









Easy to install



Minimum Slope 30%



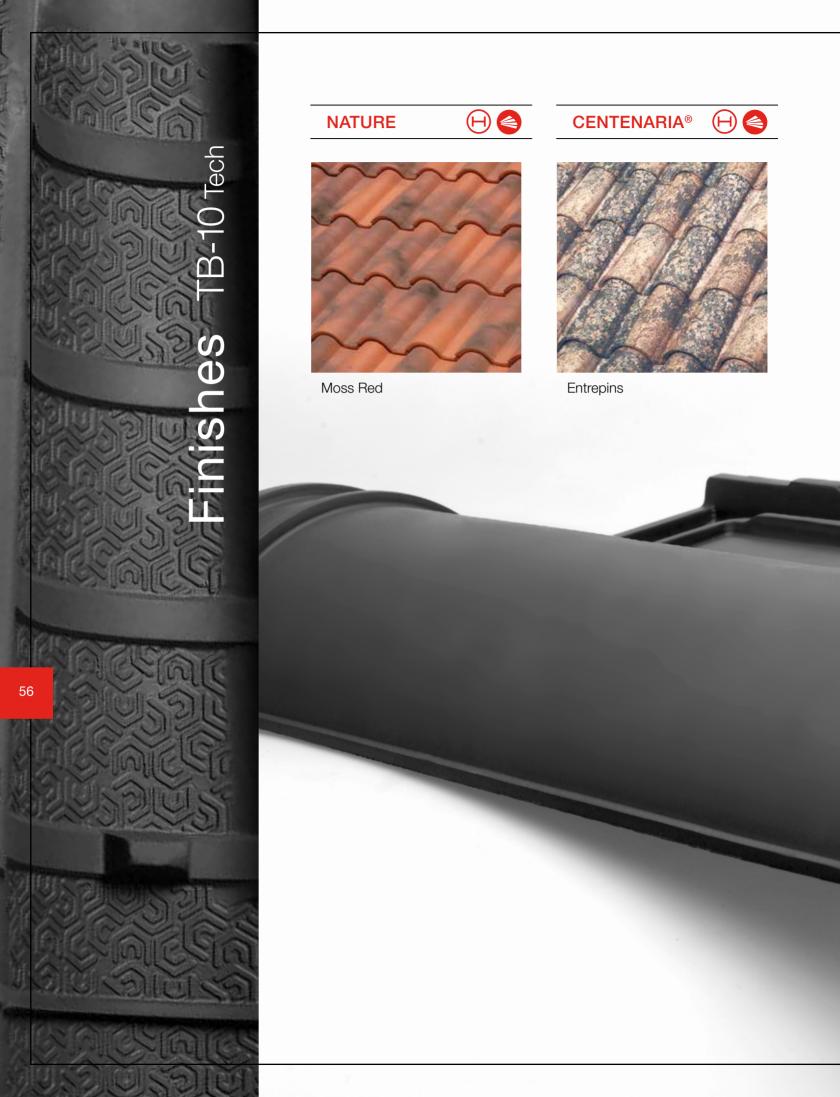
Longitudinal Overlap 25 mm



Characteristics	
Width	281 mm
Length	474 mm
Weight	3.6kg/tile

Installation	
Tiles /s.q. m.	10,4 units
Minimum batten spacing	388 mm
Maximum batten spacing	413 mm





# **PLAIN COLOUR**



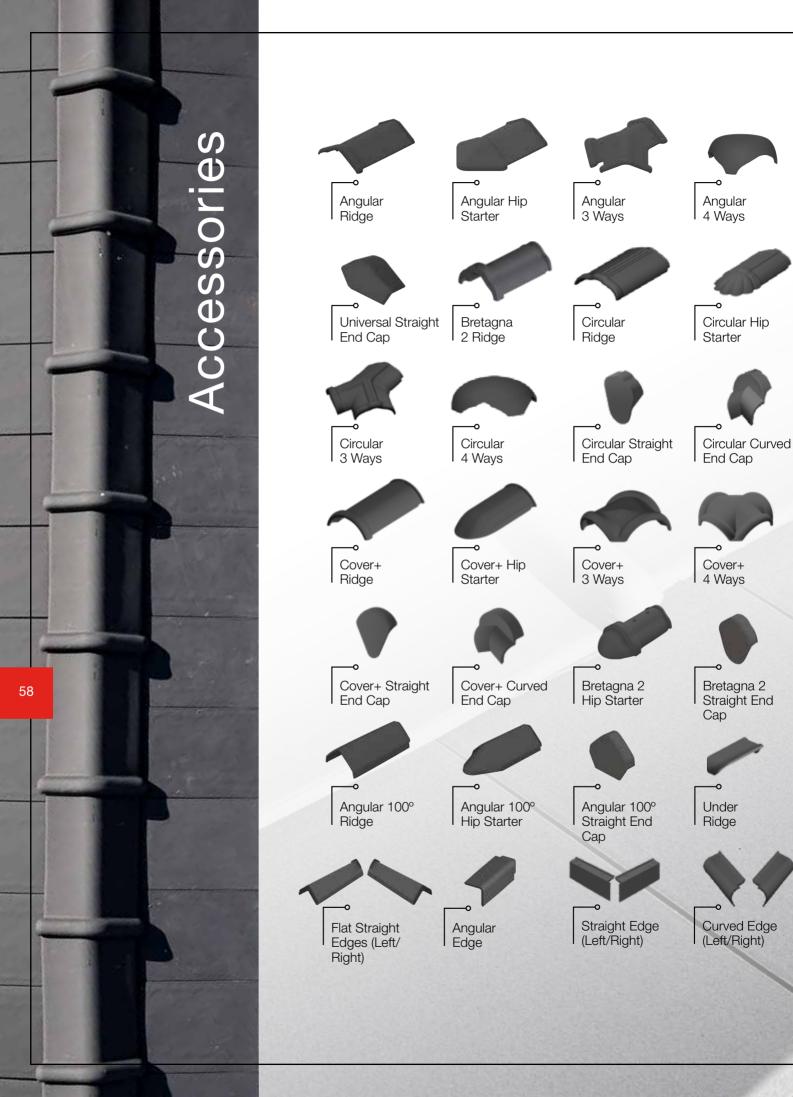




Graphite

Chocolate











Ask for colours availability of accessories. Some of the accessories

for BorjaJET roof tiles are available in plain colours.

# **BORJÀTHERM®**

Thermal insulated roofing SYSTEM





The brand new Tejas Borja SARKING SYSTEM is a complete solution for external insulated pitched roofs, designed for use both in repairing and refurbishing roofs on old buildings or creating new projects.

BORJATHERM panels are light-weight and easy handling, although to very easy to install. These panels make unnecessary most of the products which used to be essential for the construction of a ventilated roof because the panel itself, installed directly onto the rafters, beams or inclined slabs, performs all the

functions of these products in one.

RULT ERM CE

Flat supporting structure

2 Vapour barrier

Thermal insulation layer

Waterproof membrane

6 Counter battens

Tile Fixing battens

TEJAS BORJA



# The advantages



Maximum Insulation without thermal bridges.



Quick and easy to install.



More economical than other systems.



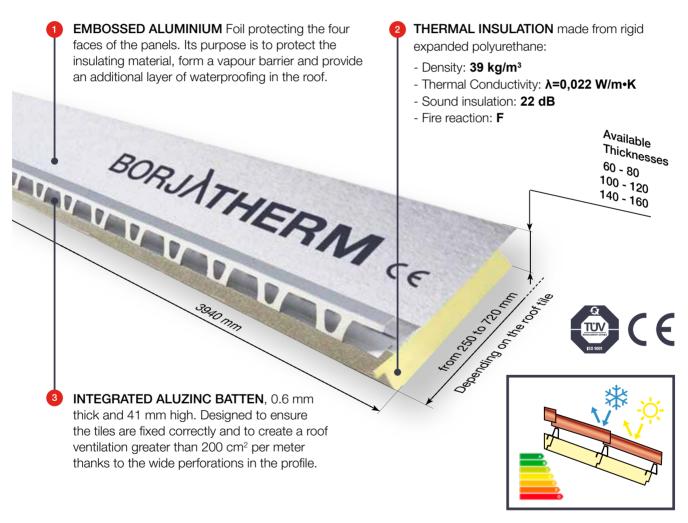
Optimal roof waterproofing.

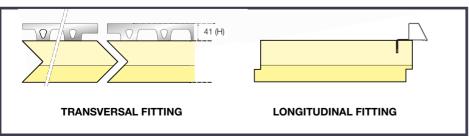


Insulation without losing space.



Excellent roof ventilation.



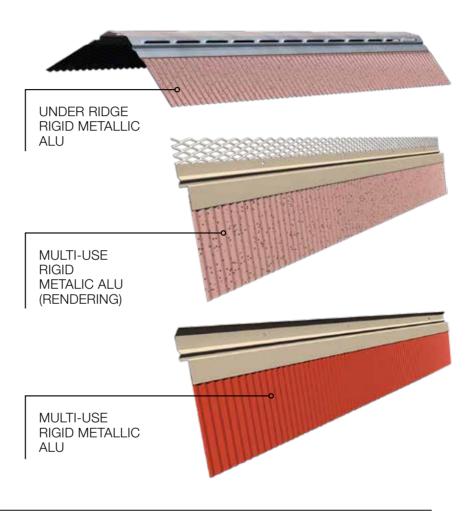






#### **METALIC ACCESSORIES**

Our new range of metallic accessories makes it very simple to install ventilated ridges and joins between the roof and vertical walls, whether they are to be rendered with mortar or installed onto the finished wall. This range of high performance accessories is made with fine materials which are highly durable. We also offer thick butyl tape to fix the accessories correctly to the tiles.



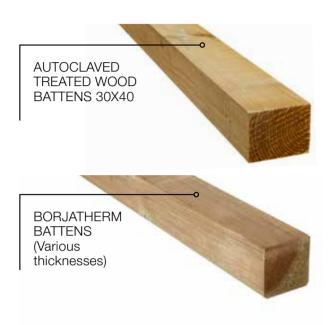
#### LOW PITCH WATERPROOF MEMBRANE

For roofs with pitches lower than those required by regulations or the technical specifications of the product, a bitumen self-adhesive waterproof membrane is also installed, without the need to use heat in the installation. This membrane is self-sealing for small holes made by nails or screws and is easy to shape to finish joins in the roof.



#### **WOOD FRAMES**

In addition to metallic and PVC frames, we are broadening our range with wooden battens made from pine treated to be waterproof to risk level III so they can be installed in any climate.



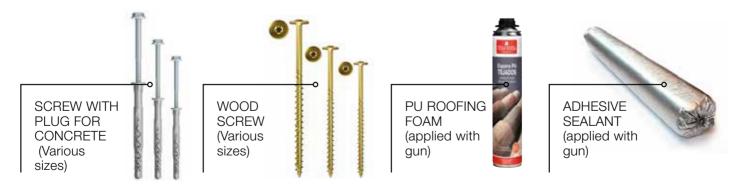
#### **BUTYL TAPES**

New adhesive tapes made from butyl rubber to seal joins in the roof. Specially designed to seal joins between under-tile bitumen sheets and joins between insulation panels in the BORJATHERM roof SATE system.



#### **FIXINGS**

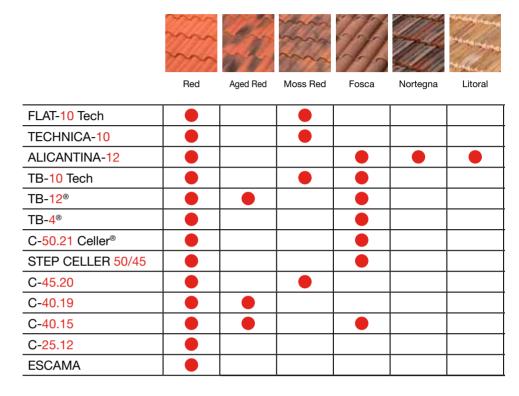
To guarantee the tiles and accessories are installed correctly, the range includes various models and sizes of screws, adapted to each type of roof supporting structure. We can also study each project to define and supply the most appropriate fixings in each case. All these screws come with the latest special adhesives for roofs.



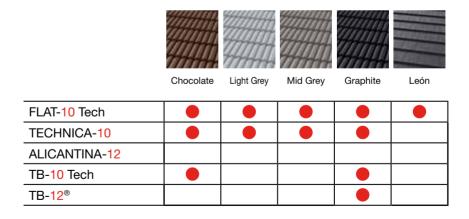


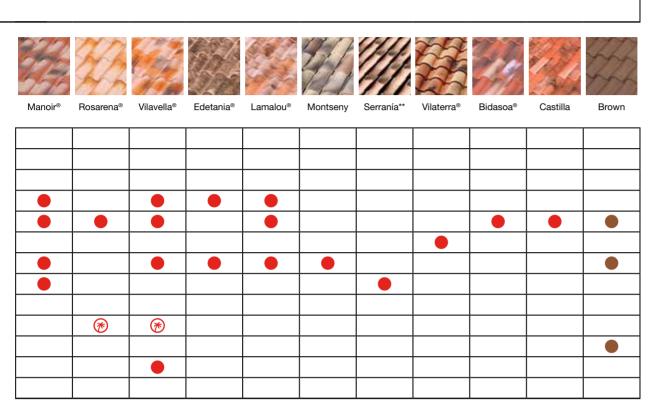


#### **NATURE**

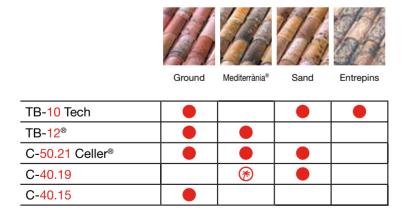


#### **PLAIN COLOUR**





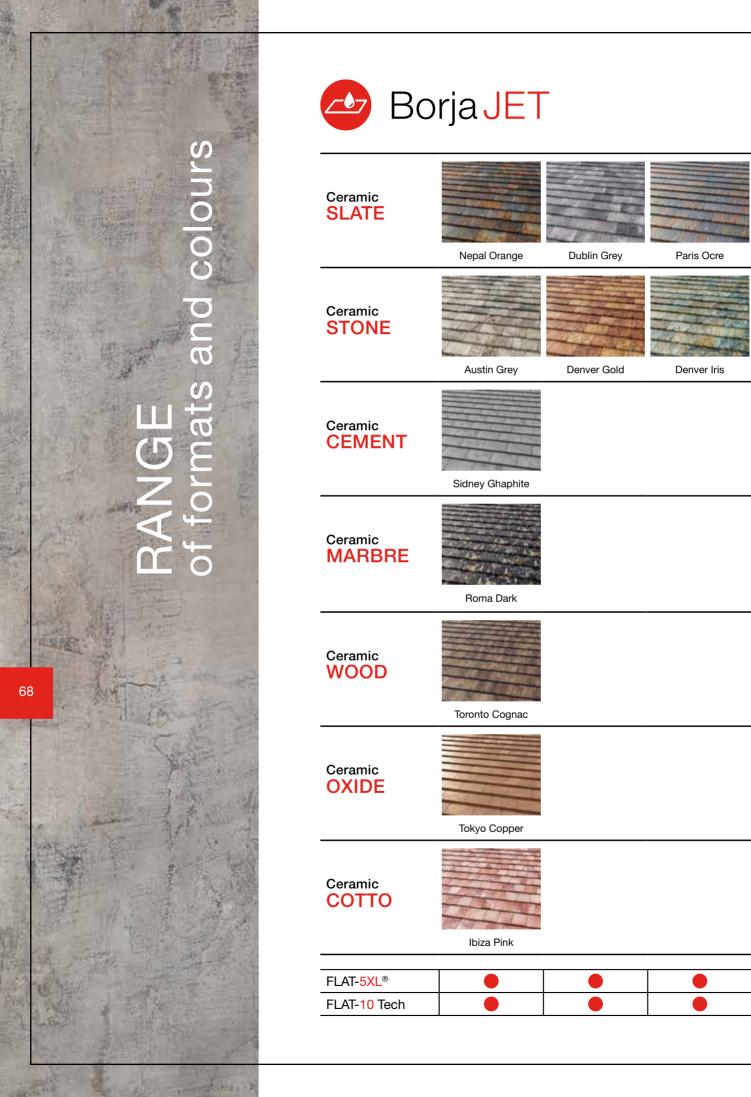
#### **CENTENARIA®**



Step Celler 50/45 Manoir® roof tile: Matches with Centenaria® Ground and Manoir®. Step Celler 50/45 Serranía roof tile: Matches with Centenaria® Mediterrània®, Centenaria® Sand, Vilavella®, Edetania®, Lamalou® and Montseny. Step Celler 50/45 Fosca roof tile: Matches with Fosca and Brown.

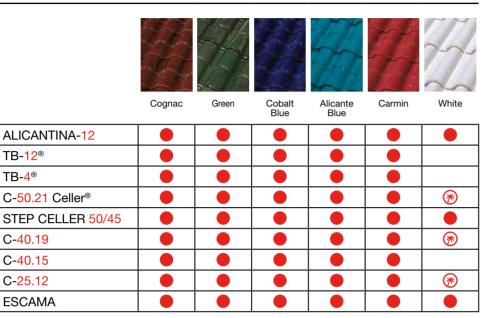


Selection of special white clays. The natural shading typical of these clays makes them ideal for the Mediterranean climate.

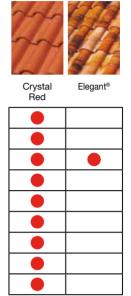




#### **GLAZED**



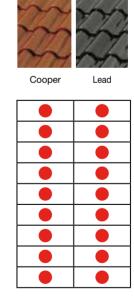
#### **CRYSTAL**



#### **TAMIZADOS**



#### **METALLIC**



Ask for exclusive colours in TB-4® roof tile on our website: www.tejasborja.com

IRISADOS: Cognac, Green and Blue

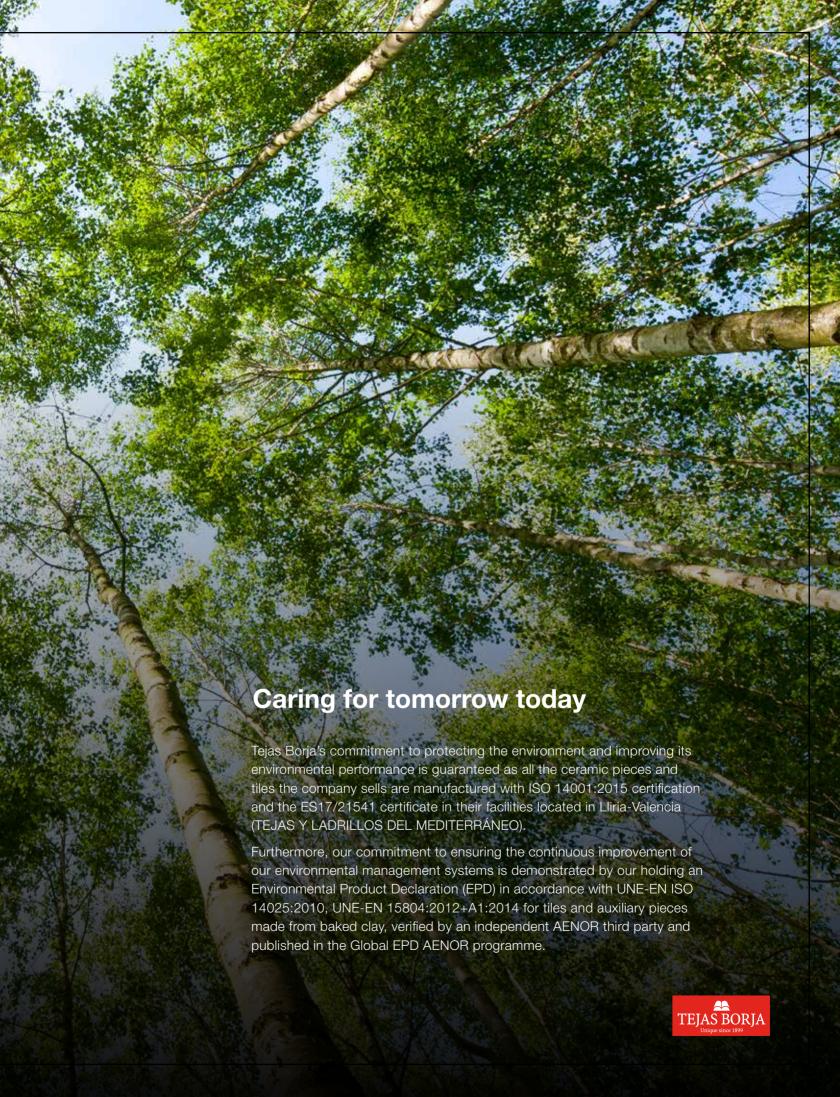
INSPIRATION: Ocre, Indigo and Lienzo de Mar.

White, Copper and Lead finishes are produced only on one side colour.

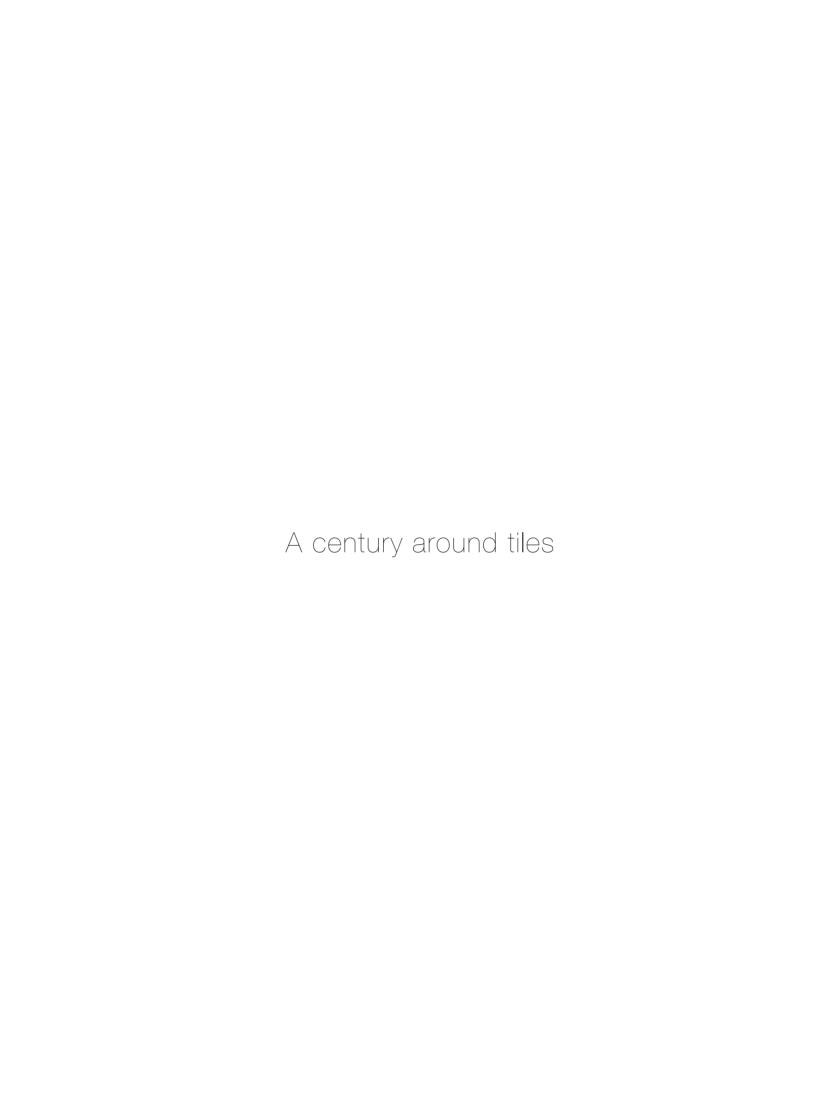
CRAKLE (surface crackling)

The superficial crackling can appear in some tiles with glazed application, concerning only the aesthetics and not the structure of the tiles, by what in the Standard regulation EN 1304 it is not considered to be a defect.





# THEREVOLUTION of the ceramic tile sector This catalogue has been published taking into account the latest rules, Codes and Guides as at February 2018. Tejas Borja S.A.U. reserves the right to change the characteristics and availability of the products and colours displayed in this catalogue without prior notice. The colours of the pieces shown may vary slightly from the originals. The settings shown in this catalogue are decorative suggestions for publicity purposes only and in real installations the fitting instructions published by Tejas Borja must be followed.







TEJAS BORJA, S.A.U.

Ctra. Llíria a Pedralba, Km. 3 46160 Llíria, Valencia, SPAIN T.+34 96 279 80 16 F. +34 96 278 25 63 info@tejasborja.com

tejasborja.com