# WIENERBERGER

Wienerberger is the UK's leading provider of wall, roof and landscaping innovations. We offer one of the broadest product portfolios in the construction business, including clay facing bricks (stock and wire-cut), specialist engineering bricks, the Porotherm clay block system, façade solutions including SVK fibre cement panels, the Corium cladding system and a wide range of brick slips. We also offer a full range of Sandtoft and Koramic clay, concrete and slate roofing products, Keymer handmade roof tiles, bespoke heritage products and a range of domestic and commercial pavers.

Founded in 1819 and with headquarters in Vienna, Wienerberger Building Solutions is the world's largest producer of bricks and clay blocks, as well as being the market leader for clay roof tiles. Represented in 30 countries with 197 production sites, Wienerberger celebrated its 200-year anniversary in 2019.

Find out more about our products and services at www.wienerberger.co.uk











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Above

Private Residence, Wallonia, Belgium SVK Colormat Scripto Jasmine, Slate and Storm

Cover

City Centre Campus, Manchester College Corium | image © Christian Smith

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#### WIENERBERGER FACADES

Building upon the strong foundations of our longstanding brick expertise, Wienerberger Facades are here to help you shape the changing face of construction, covering every dimension that needs to be considered when specifying for the evolving world of facades.

In our dedication to creating a better building envelope, Wienerberger Facades are regulating expectations by complying to industry standards for architectural cladding and achieving vital certification through rigorous testing.

We are raising standards in the brick wall cladding and fibre cement panel markets by only offering products of the highest quality and performance specifications.

We are redefining possibilities in terms of cladding design with truly versatile materials that have the potential to create the facades of the future.

#### Corium Brick Rainscreen Cladding System

 Corium, a brick cladding system that combines design versatility, fast track installation and durability in one BBA certified and A1 rated\* facade solution.

#### SVK Fibre Cement Rainscreen Panels

 SVK is a facade range which unites the aesthetic elements of colour and texture with durability and performance in an A2 rated fibre cement cladding panel.

For more information about our facade systems or to contact a member of our team to discuss your project please visit our website www.wienerberger.co.uk

\* Corium brick tiles are classified as A1 in accordance with BS EN 13501-1. | Steel backing rails are also classified as A1. | Corner units supplied by Wienerberger for 90 degree external corners and angles are cut and bonded using an A2 rated adhesive.









Opposite

Cavo Zoe Seaside Hotel, Protaras, Cyprus SVK PuroPlus









# WHAT IS CORIUM?

Corium consists of clay brick tiles, clipped into interlocking steel backing sections mounted horizontally or vertically. It is suitable for use on steel framed substrate walls, concrete, external masonry and timber frame of both new and existing buildings.

#### Safety

- BBA approved and certified.
- As a fired clay product Corium brick tiles are inherently non combustible and classified as A11 in accordance with BS EN 13501-1.
- Corium can satisfy or contribute to satisfying the relevant requirements in relation to NHBC standards.

#### **Design Flexibility**

- Over 2,500 brick tile finishes available, including choices of colour and texture.
- The option to develop bespoke blends for projects.
- Variable tile height options of 50mm, 65mm, 140mm and 215mm.
- Can be installed horizontally or vertically, including soffits and ceilings.

- A design life in excess of 35 years in accordance with section 10 of the BBA certificate.
- No build limit, with installations on projects in the UK up to 28 storeys (as per section 6.2 of the BBA certificate)2.
- Simple mechanical fix installation.

Opposite

Wilson Secondary School, Virginia, USA Corium



Corium brick tiles are classified as A1 in accordance with BS EN 13501-1.  $\mid$  Steel backing rails are also classified as A1.  $\mid$  Corner units supplied by Wienerberger for 90 degree external corners and angles are cut and bonded using an A2 rated adhesive.

<sup>&</sup>lt;sup>2</sup> Design wind actions must be calculated in accordance with BS EN 1991-1-4: 2005 and its UK National Annex. Due consideration should be given to higher pressure coefficients applicable to corners of the building, as recommended in this Standard. In accordance with BS EN 1990: 2002, it is recommended that a partial load factor of 1.5 is applied to determine the design wind load to be resisted by the system. Please see the BBA certificate for full information





# CORIUM: CERTIFICATES & STANDARDS

We have made sure that Corium meets rigorous safety criteria. All the certification and reassurance you need to feel confident.

#### **BBA** Certified

 Certified for use as protective/decorative cladding over external masonry, timber, concrete or steel-frame substrate walls of new and existing buildings (as per page 1 of the BBA certificate).

#### Fire Tested & Certified

 Classified as 'non-combustible' and not subject to any restriction on building height or proximity to boundary when used on a non-combustible substrate and with noncombustible components (as per section 7.2 of the BBA certificate).

#### **NHBC Standards**

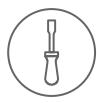
■ In the opinion of the BBA (page 3 of the certificate), Corium can satisfy or contribute to satisfying the relevant requirements in relation to NHBC standards, Part 6 Superstructure (excluding roofs) and Chapter 6.9 Curtain walling and cladding.



A1 fire rated\*



Can satisty NHBC standards



Easy to install



BBA Certified



Broad range of colours and textures



50% lighter than traditional brick



Impact tested



Various size options available



35 years design life

<sup>\*</sup> Corium brick tiles are classified as A1 in accordance with BS EN 13501-1. | Steel backing rails are also classified as A1. | Corner units supplied by Wienerberger for 90 degree external corners and angles are cut and bonded using an A2 rated adhesive.

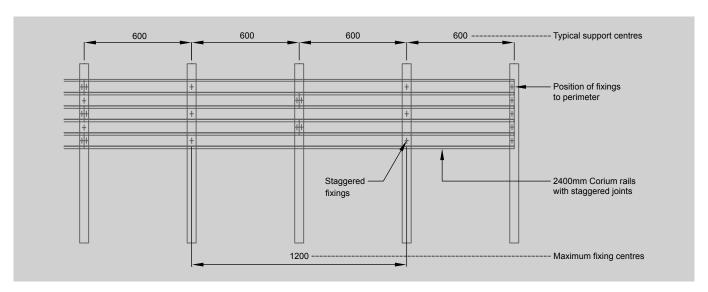


# CORIUM: INSTALLATION

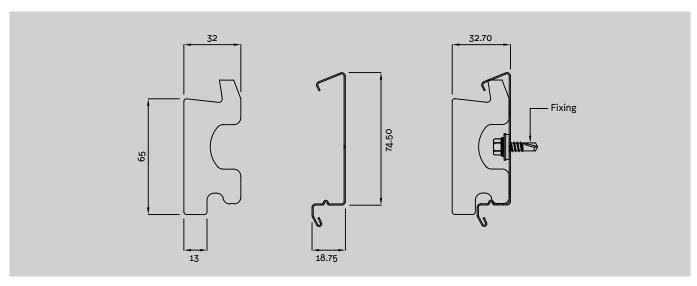
Corium is a system designed for adaptability and performance.
The system comprises of fired clay extruded brick tiles, which are clipped into longitudinally interlocking steel backing sections. The vertical and horizontal joints between the tiles are pointed with Parex Historic Mortar KL.

The steel backing sections are profiled to suit the brickwork coursing height, mounted horizontally or vertically and then mechanically fixed to the supporting subframe. For lightweight steel frame and masonry substrates, the subframe is generally aluminium, but for timber-frame structures this would be timber battens.

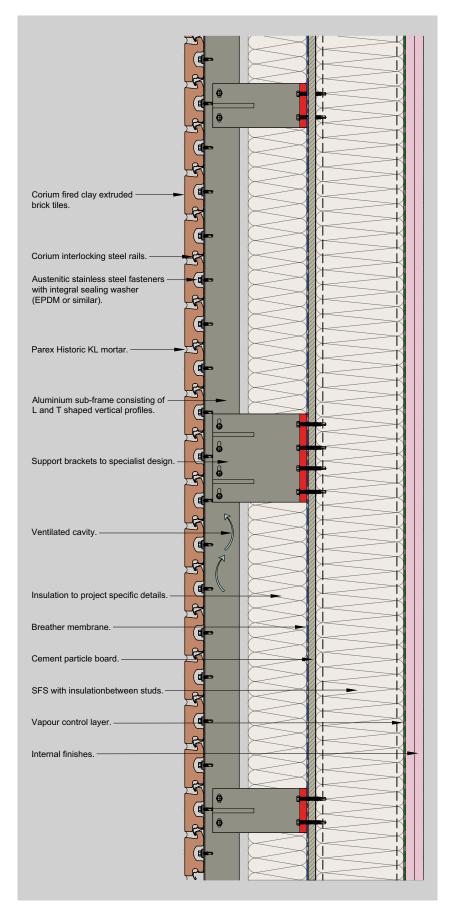


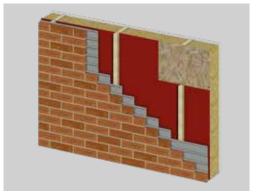


Typical fixing pattern of the Corium Brick Tile Cladding System

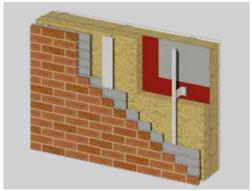


Corium Tile & Steel Backing Profile (Dimensions in mm)

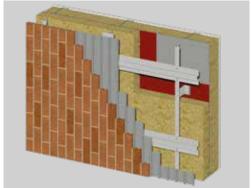




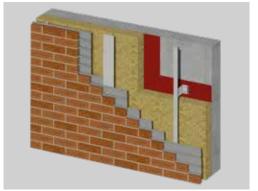
Timber frame



Lightweight steel frame



Lightweight steel frame - Vertical

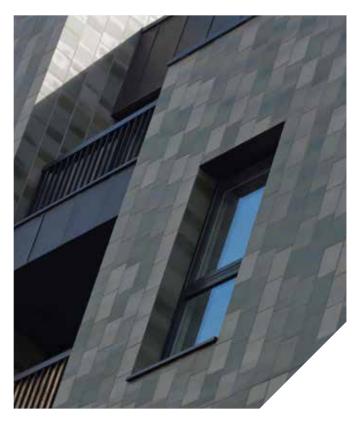


Concrete



# CORIUM: TILES

Offering authentic brick aesthetics with an unrivalled choice of colours, textures, standard and bespoke sizes, and even premade corners. All of which can be installed on a range of substructures, for complete versatility. It all combines in Corium, redefining what's possible in cladding.



City Park West, Chelmsford, UK Corium large format tiles



50mm height tile



65mm height tile Standard UK brick format



140mm height tile



215mm height tile Large format

# **Size Options**

Height (mm)

50, 65, 140, 215

Length (mm)

215 (other lengths available up to 327mm)

Thickness (mm)

32, 52, 80\*

Tile lip thickness (mm)

13

\*CWCT tested but not included in the BBA.



Cut and bonded external return tile (LH or RH)

Cut and bonded stop end tile (LH or RH)





Soldier tile



15mm projecting tile



CM.4 Air brick tile



CM.5 Soffit return tile



Paxton Primary School, Lambeth, UK Corium 50mm projecting tiles



20mm projecting tile



50mm projecting tile

# **Special tiles**

The system is designed with flexibility in mind, so corners are no obstacle. Tiles can be cut and bonded on site or at one of our trusted fabricators.

# **Projecting Tiles**

Currently there are 3 different sizes:

Height (mm)

50, 65

Length (mm)

215

Projection (mm)

15 (50mm height), 20 & 50 (65mm height)

### CORIUM: DESIGN DETAILS

# Corium is a flexible, functional and imaginative brick cladding system with design potential that goes beyond the traditional look of brickwork to create truly unique projects.

Realising new frontiers of architectural possibilities means unleashing the design flexibility of Corium – across the building envelope or in statement sections – with local facades support and a nationwide network of recognised installers.

The facades of the future require versatility of design, efficiency of installation, and true architectural freedom. Corium is here to meet this challenge – redefining possibilities.



Lobby, Vibe Hotel, Darling Harbour, Sydney, Australia

#### **Curves, Horizontal & Vertical Fitting**

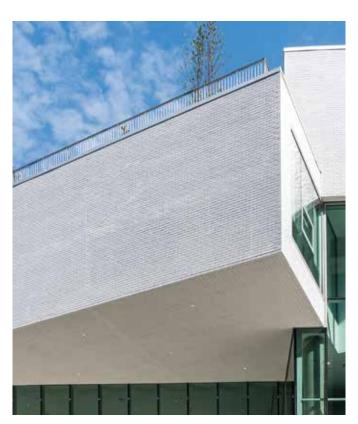
The system can be installed horizontally, vertically, or even at an angle, with no impact on performance, safety or durability (as per page 1 of the BBA certificate). This unlocks a wider range of aesthetic options as the system allows any brick bond pattern to be used.

Arches and curves are also achievable using Corium. Curves with a radius over 2m can be achieved easily, smaller radii can be achieved by cutting rails into shorter sections or installing the system vertically.

#### Off-Site Assembly

If projects require it, Corium can be assembled off-site, allowing for finished sections to be installed as a prefabricated solution to be pointed on site.

This method not only ensures quality controlled factory conditions during fabrication, but it allows for rapid construction without delays due to weather, reducing wastage and on-site construction time.



Wilson Secondary School, Virginia, USA Corium



Parex Historic Mortar KL colours
Bespoke mortar colours available on request

#### **Soffits**

With both horizontal and vertical installations supported, as per page 1 of the BBA Certificate, Corium can be used overhead to create soffits and ceilings. A common feature found across both refurbishment and contemporary schemes.

#### Mortar

Joints between the tiles are pointed with Parex Historic Mortar KL, which is a hydrated lime, sand and ground granulated blast furnace slag (GGBS) mortar manufactured to BS EN 998-2: 2016. The mortar is applied using manual, mechanical or compressed air based pumps with controlled nozzle applicators. The preferred joint profile is buckethandle.



# CORIUM: COLOURS & TEXTURES

#### **Colours**

Our extensive range of colours enables true aesthetic choice for your project. Traditional or contemporary, eclectic or uniform, there's a colour or blend to suit. Choose from a wide variety of standard colours, or get in touch to discuss how a bespoke blend could help make Corium the right choice for your scheme.

For more information please visit our website: www.wienerberger.co.uk/products/facades

#### **Textures**

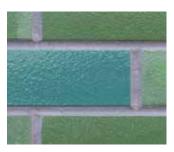
From the nuanced feel of traditional brick, to smooth, contemporary glazed tiles, Corium can define the look and feel of your building with a range of textures and finishes available to suit any scheme or style.



The Ritterman Building, Middlesex University, UK



Smooth



Gloss glazed



Dragface with crease



Dragface without crease



Echo Central, Leeds, UK



The Place, Sydney, Australia



Sanded with crease



Handformed creased



Belmont House, Uxbridge, UK



Loughborough University, UK

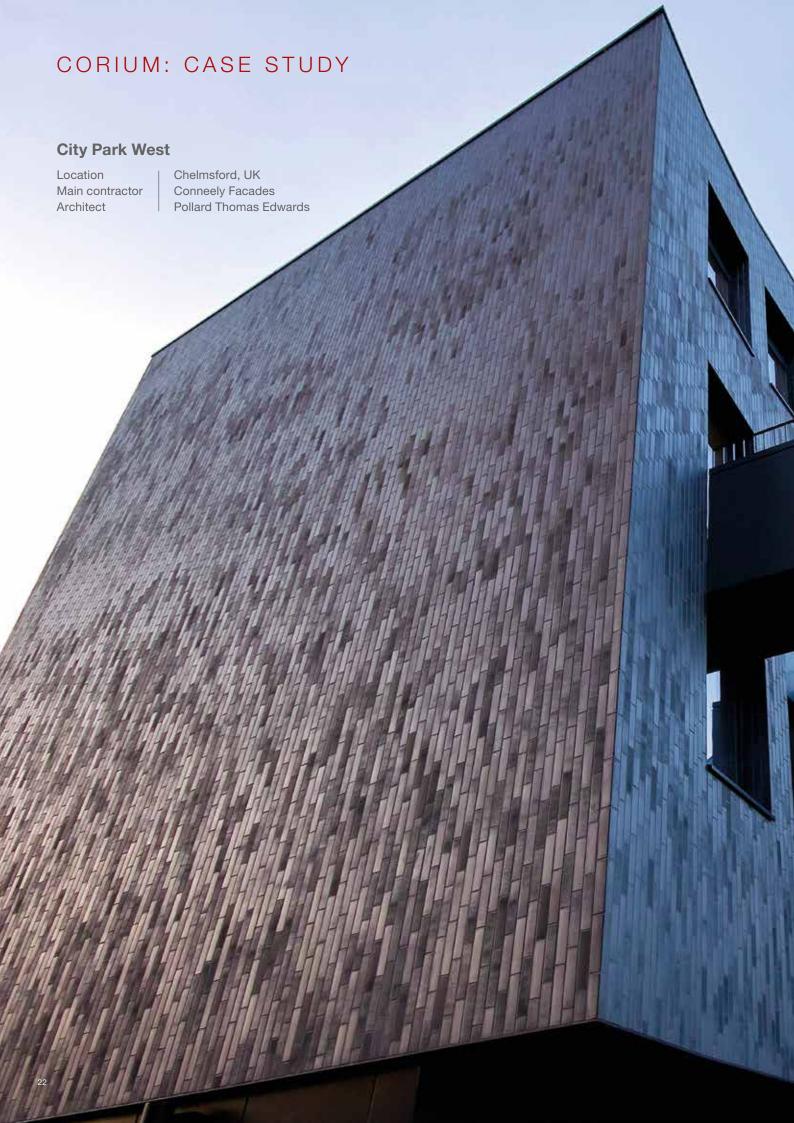


Rustic edges











# CORIUM: CASE STUDY









# WHAT IS SVK?

SVK are fibre cement cladding panels designed to make contemporary facades stand out on every dimension – from cost-effectiveness and compliance to premium look and feel.

With a wide range of colours and textures available, SVK fibre cement facade panels offer the ability to create outstanding architectural cladding designs that enrich the built environment and provide A2 rated fire performance.

SVK panels achieve the perfect balance of high performance and high design, offering durability and safety at their core without sacrificing visual appeal for construction and renovation projects both large and small.

The precision-engineered cladding boards are manufactured from a mixture of Portland cement, reinforcement fibres, additives and water, which is built up in thin layers.







# SVK: CERTIFICATES & STANDARDS

Lightweight solution. Heavyweight certification.

SVK is a certified, BS EN 12467-compliant and A2-rated rainscreen cladding panel range designed to give you complete peace of mind, as well as a contemporary, appealing facade.

SVK fibre cement facade panels conform to the following product safety standards and certification criteria:-

- "A2 s1, d0" fire classification in accordance with BS EN 13501-1.
- BS EN 12467 standard for "Fibre cement flat sheets production specification and tests".
- European Technical Assessment (ETA 14/0284).
- Independently tested to CWCT (Centre for Window and Cladding Technology) standards.
- The Decoboard Classic and Ornimat ranges also boast a 10-year colour guarantee.

Find out more about fire safety ratings: www.wienerberger.co.uk/products/facades





# SVK: FEATURES & BENEFITS

As a cost-effective, weather-resistant and low-maintenance facade product, SVK is proof that premium look and feel doesn't have to mean premium price.

Performance benefits of SVK fibre cement exterior wall cladding include:-

- Easy clean simply use clean water, with added mild detergent if you wish.
- Resistant to mould, rot and bacteria.
- No risk of shrinkage or warping once installed.
- Excellent weather, fire and impact resistance.
- Lightweight ventilated rainscreen cladding solution.
- Easy to install on a wide range of substrates with a variety of fixing options available.
- Can be installed alongside other facade systems or traditional building materials.







# SVK: INSTALLATION

#### Each of these techniques guarantees a durable, high-quality result.

Fibre cement panels are typically installed as a component of a ventilated rainscreen facade system to either an aluminum or timber sub-frame. These types of build ups can accommodate large insulation thicknesses and provide all the benefits of a ventilated facades.

Find out how to install SVK here: www.wienerberger.co.uk/products/facades



#### **Invisible Mechanical Fixing**

Most SVK panels can be fixed using an invisible mechanical fixing. Anchors are attached to the rear side of predrilled SVK panels for attaching onto an aluminium supporting structure. There are no visible fixings on the front of the panel.



#### **Screws**

All SVK facade panels can be attached with screws to a timber supporting structure. For this we use facade panel screws with a colour matching screw head.



#### **Rivets**

All SVK facade panels can be attached to aluminium support structures using rivets. Colour matching rivet heads are available in the same colour as the facade panel.

### SVK: THE COLLECTION

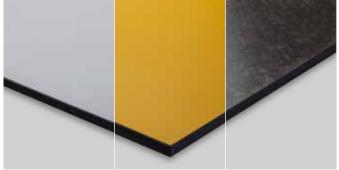
SVK fibre cement panels are available in different finishes, sizes and various complementary or contrasting colours enabling architects to realise their design ideas.



#### **Puro Plus**

Puro Plus is fibre cement panel cladding in its simplest form, offering a distinctive aesthetic choice.

Puro Plus panels let the natural beauty and texture of cement take centre stage, with no covering or coating. Lightly sanded and air-dried for a striking grey concrete effect, unique colour variations are created as the weather and environment interact with each external cladding panel over time



#### **Decoboard**

The Decoboard collection offers a contemporary finish that meets the very highest quality demands. Coated with UV resistant paints that also boast a 10 year colour guarantee.

If your project requires a broader spectrum of colour, bespoke cladding panels can be manufactured in almost any RAL or NCS colour (minimum order quantity applies).

#### Classic

 Decoboard Classic features a colour palette of strong greys in a smooth, matte finish.

Finished with three coats of UV-resistant acrylic paint on its face with a water-based coating protecting the rearside. Colour matched Decoboard paint is available for painting panel edges or carrying out maintenance.

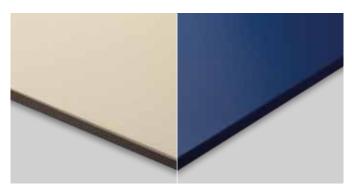
#### Elements

■ For those looking to inject some bold colour into a facade scheme using cladding panels, the Decoboard Elements collection offers a selection of long-lasting bright tones which bring visual impact alongside high performance.

#### Pure

Decoboard Pure delivers the distinctive design appeal of natural stone. Featuring a subtle, clouded stone effect in three versatile grey shades, Decoboard Pure is a coated panel with natural-looking colour variation and texture built in. This means it won't be affected by the elements over time, like the uncoated Puro Plus product.

Finished with a UV-resistant transparent or semitransparent coating (depending on colour option chosen), this low maintenance collection benefits from a soft, glossy appearance.



#### **Ornimat**

To create a beautifully smooth, durable and easy clean finish, each Ornimat panel is coated with a high quality water-based, UV-resistant, matte polyurethane paint, machine-coloured to the face and edges for a uniform look.

Ornimat offers a premium colourfast surface treatment with a 10-year guarantee and the additional option to be painted on both sides if required.

#### Essentials

Subtle neutral tones enable any building to blend into the surrounding environment, the essential range of colours offers tonal collections of ivory, seashell and stone as well as many more gentle colour variations to suit your facade project.

#### Elements

■ The vibrant Ornimat Elements collection features fibre cement panels in bold, primary colours that can be used on their own or with other colour options to create dynamic and eye-catching facade schemes.

#### Bespoke

Delivering true design flexibility, this wide range of designs doesn't finish with a portfolio of standard colours, as Ornimat fibre cement panels orders of over 50m² can be manufactured in almost any RAL or NCS colour. Colour matched Ornimat paint is available for painting panel edges or carrying out maintenance.



#### Colormat

Colormat through-coloured fibre cement boards combine a soft and neutral colour palette. A variety of colours and textures provide a natural finish for a modern cladding solution.

Colormat boards are fully-tinted during the manufacturing process, with pigment running throughout each panel. The finishing touch is a water-repellent, transparent protective layer for extra durability and an easy to clean finish.

#### Classic

Available in a range of soft pastel and neutral tones, the lightly sanded texture and fine-lined pattern adds extra subtle detail and variation to each Colormat Classic through-coloured panel.

### Scripto

■ Deeply sanded with a distinct lined pattern, Colormat Scripto fibre cement boards are designed to add character and texture to building facades. A stunning effect can be created very simply by alternating the direction of the lined texture from panel to panel across a surface.

### Touch

Unlike Colormat Classic and Scripto with their lined structure, the Touch collection has a soft look and feel. Available in three neutral shades, each panel has a stippled, velvety appearance.



# SVK: AT A GLANCE

Each SVK fibre cement panel collection offers a different aesthetic for your project. To help you choose which SVK product is the right one for your facade design, take a look at the technical information below.

For further support with product selection, please contact your local facade specification manager. To view the full range please visit our website: www.wienerberger.co.uk/products/facades

	PURO PLUS	DECOBOARD		
Finish	Grey panel with natural effect Untreated lightly sanded surface	Classic	Elements	Pure
		High UV resistance Can be sawn to size in advance Colour paint pot available for maintenance		
		Coated in one colour Edge not coated in the same colour	Bright bold colours Edge not coated in the same colour	3 standard colours with a natural stone look Transparent and semi-transparent coating
Dimensions	Squared standard 3,070 x 1,220 mm 2,520 x 1,220 mm	Squared standard 3,070 x 1,220 mm 2,520 x 1,220 mm		
	Non-squared standard 3,085 x 1,235 mm 2,535 x 1,235 mm	Non-squared standard 3,085 x 1,235 mm 2,535 x 1,235 mm		
Reaction to fire classification in accordance with BS EN 13501-1	A2-s1, d0	A2-s1, d0		
Thickness	8 mm and 10 mm (12 mm on request)	8 mm and 10 mm (12 mm on request)		
Weight	± 14.60 kg/m²	± 14.60 kg/m²		
Screws	YES	YES		
Rivets	YES	YES		
Invisible Mechanical Fastening	YES	YES		

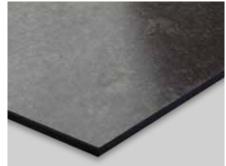
ORNIMAT		COLORMAT			
Elements	Essentials	Classic	Scripto	Touch	
High-quality UV-	resistant coating	Waterproofed: water-repellent, transparent protective layer Through coloured			
Sawn to size in advance  Coated in one colour  Edges coated in same colour		Lightly sanded line pattern	Deeply sanded line pattern	Stippled, velvety appearance	
Squared Length (cut to size) Width (cut to size) max. dimensions 3,070 x 1,220 mm		Squared 3,050 x 1,220 mm 2,500 x 1,220 mm			
A2-s1, d0		A2-s1, d0			
8 mm and 10 mm (12 mm on request)		8 mm			
± 14.60 kg/m²		± 14.40 kg/m²			
YES		YES			
YES		YES			
YES		NO			

### Natural stone / concrete effects

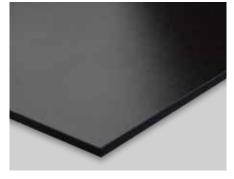




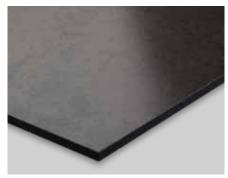
PURO PLUS NATURAL GREY



DECOBOARD PURE GALE



DECOBOARD PURE THUNDER



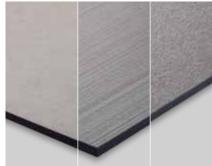
DECOBOARD PURE BURST

### **Neutrals**





COLORMAT NATURAL Classic / Scripto / Touch



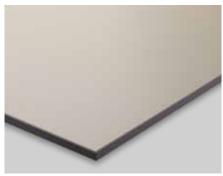
COLORMAT STORM Classic / Scripto / Touch



COLORMAT SLATE



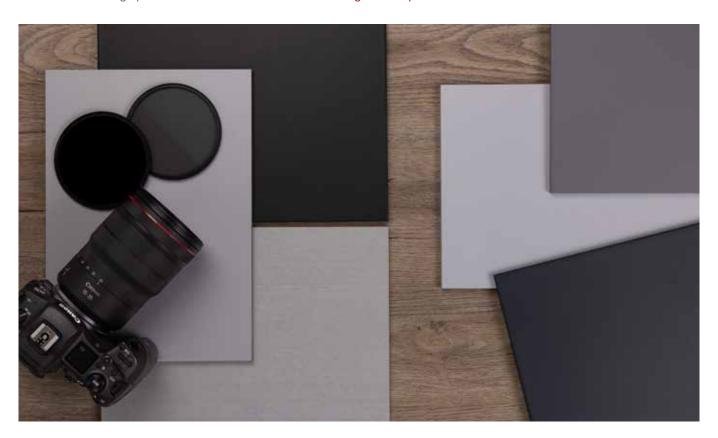
COLORMAT EARTH Classic / Scripto

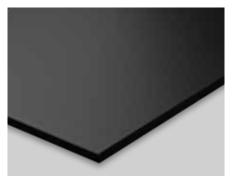


ORNIMAT CREAM



### Greys

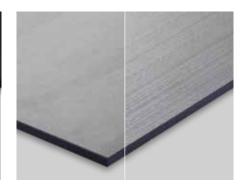




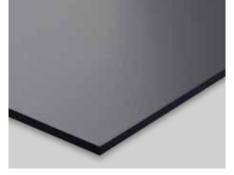
ORNIMAT CARBON



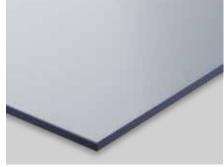
ORNIMAT JET



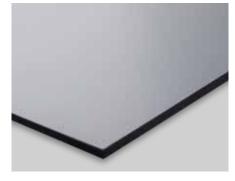
COLORMAT PEARL Classic / Scripto



ORNIMAT STONE



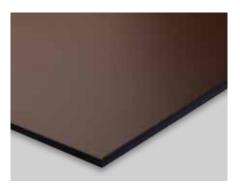
ORNIMAT STEEL



DECOBOARD MID GREY

### **Earth tones**

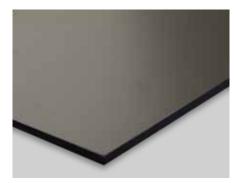




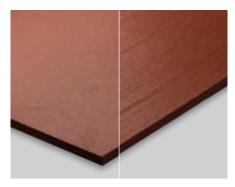
DECOBOARD CLASSIC WOOD



DECOBOARD CLASSIC COPPER RED



DECOBOARD CLASSIC QUARTZ GREY



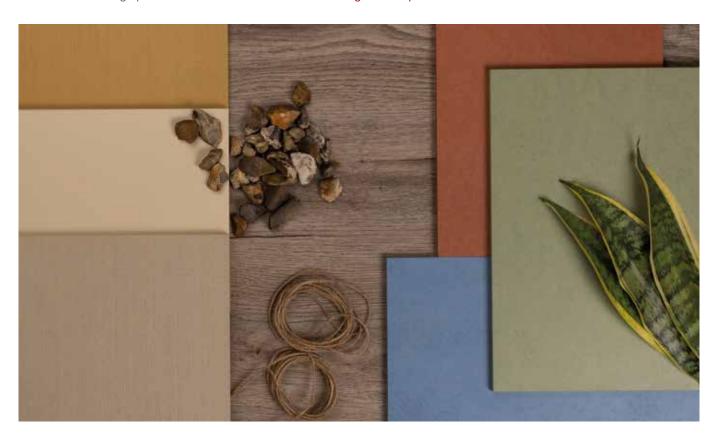
COLORMAT RASPBERRY Classic / Scripto

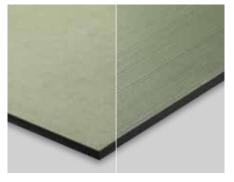


COLORMAT CHESTNUT Classic / Scripto

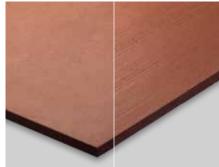


### **Pastels**

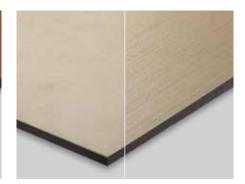




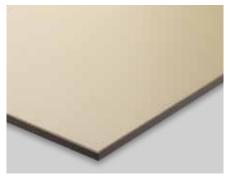
COLORMAT DAYBREAK Classic / Scripto



COLORMAT SUNSET Classic / Scripto



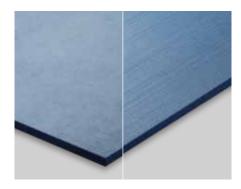
COLORMAT CHAMPAGNE



ORNIMAT IVORY



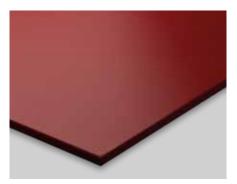
COLORMAT CAMEL Classic / Scripto



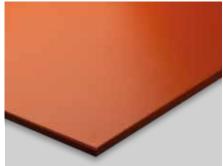
COLORMAT CARIBBEAN Classic / Scripto

## **Brights**

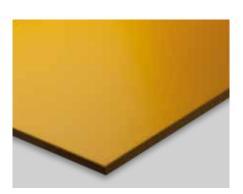




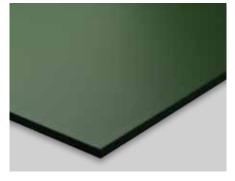




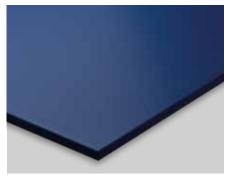
ORNIMAT SUNRISE



ORNIMAT SAND



ORNIMAT FOREST



ORNIMAT WATER

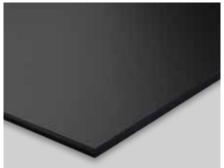


### **Black and white**





DECOBOARD CLASSIC BLACK



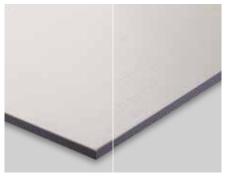
DECOBOARD CLASSIC BLACK GREY



DECOBOARD CLASSIC WHITE



ORNIMAT SEASHELL

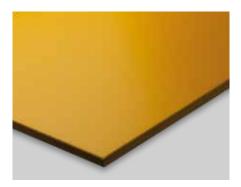


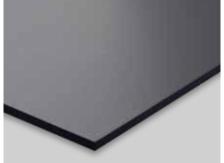
COLORMAT JASMINE Classic / Scripto

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ORNIMAT SAND

ORNIMAT STONE

## Kanaleneiland, Utrecht

Location Utrecht, The Netherlands

Project type Residential

Architect Bosch de Vroom Schuurmans Associates

Product Ornimat



## Westfriesgasthuis Hospital, Hoon

Location Project type

Architect

Product Colour

Flower artwork

Hoon, The Netherlands

Public

Architectenbureau de Jong Gortemaker Algra

Puro Plus

Natural Grey

Coated stainless steel













Location Project type Amstelveen, The Netherlands

Residential

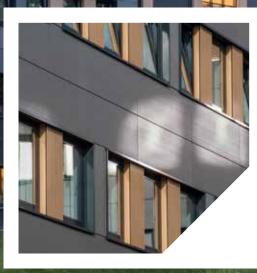
Architect Product

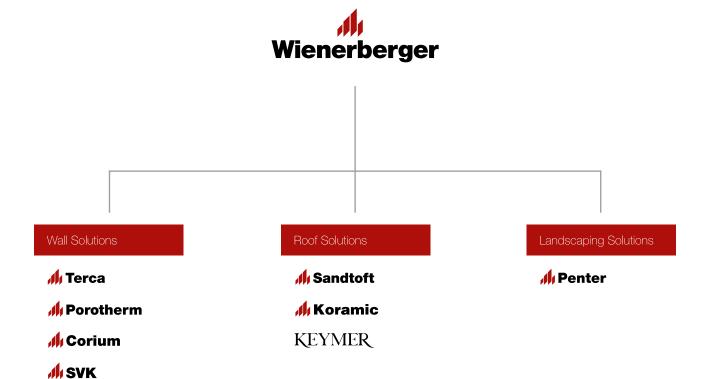
Hoogeveen Architects Colormat Scripto

Colour Slate









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