

STACBOND

Architectural Solutions



more than you see



More than facades

Powerhouse Brattørkaia
Trondheim, Norway



RM House
Madeira, Portugal



Valley View
Oslo, Norway



Bizkaia Dorrea | Garellano tower 4
Bizkaia, Spain



PSG GDAŃSK
Gdansk, Poland



Veste Zutphen
Zutphen, Netherlands



Fantoft Stasjon
Bergen, Norway

 McLaren

MAIN ENTRANCE



More than a company

STACBOND is a division of STAC, **leader in the composite panel market in Spain**, which develops, produces and markets aluminum composite panels and specific structural components for the architecture, brand image and signage, industry and transport sectors.

For more than 20 years our products have been selected by architects, developers and builders all over the world thanks to their quality, commitment and guarantee.

Our production centers are located in Padrón and El Bierzo, but we have always had a clear vision to grow beyond our borders. Currently, our products offer solutions in more than 80 countries.



Outreach
+80 countries



R+D+I
6 technical offices



Headquarters
8 delegations



Specialization
90 engineers



Facilities
1 400 000 ft²



Staff
+600 employees





The **most advanced and complete** composite panel factory in Europe

For the manufacture of our products, STACBOND has extensive manufacturing and development facilities equipped with the latest technology to ensure quality control and achieve an optimal final product.

With quality as the core of our activity, we develop a comprehensive service backed by continuous investment in R+D and training, as well as a rigorous system of evaluation of our production both internally and externally, endorsed by prestigious international certifying bodies.

4 CNC machining centers

3 ACP lines

Coil coating line

Prototyping laboratory

Latest machining technology

Panel recycling plant

By your side during all phases of the project



Technical advice

Personalized advice with a qualified technical department made up of architects, engineers, designers and calculators to make your projects come true.



Tailored

Development of any finishes (with any color or texture) and systems to adopted to each project.



Optimization

Panel calculation and optimization software develops automation of the tray construction modules, and optimizes their distribution of the composite panel for greater material savings.



Technical assistance

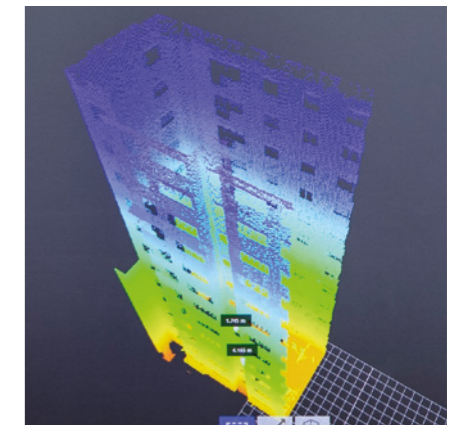
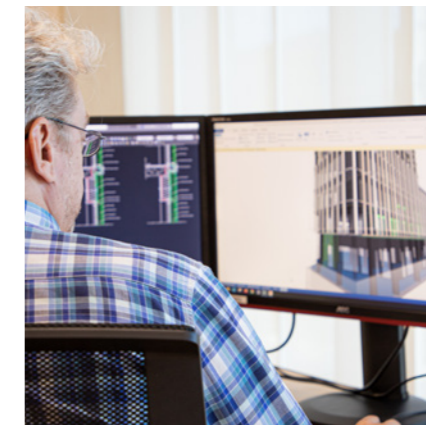
Possibility of assistance from our specialized technicians to any point of the planet to solve the most complex executions.

Integrated solutions

From your first consultation, our technical department offers **advice so that you can find the system and modulation that best suits your needs**, regardless of the difficulty of the project.

With our 3D laser-scanner and thermographic camera tools, **we can analyze any facade** to find best suitable solution for the renovation of any construction. This complete study allows to build the BIM model of the building and work directly on it for a much quicker and more accurate calculation.

To facilitate your project we offer you ARCHVISER, our **free virtual assistant for technical documentation**, you can generate the complete and updated memory of any of your creations in 4 simple steps. Discover it on our website!



Create spectacular facades

The STACBOND composite panel allows architects to play with the composition of light reflected on their facades to offer **greater freedom of design**.



Urbo business center
Matosinhos, Portugal



Columbus Maxwell Townhouses
Chicago, USA

Aluminum composite panel. Top quality for architecture



High resistance to UV rays



Quick and simple assembly



Perfectly adaptable



Excellent weight/surface ratio



Available in any RAL color



High impact resistance



Dimensional stability



Fully recyclable

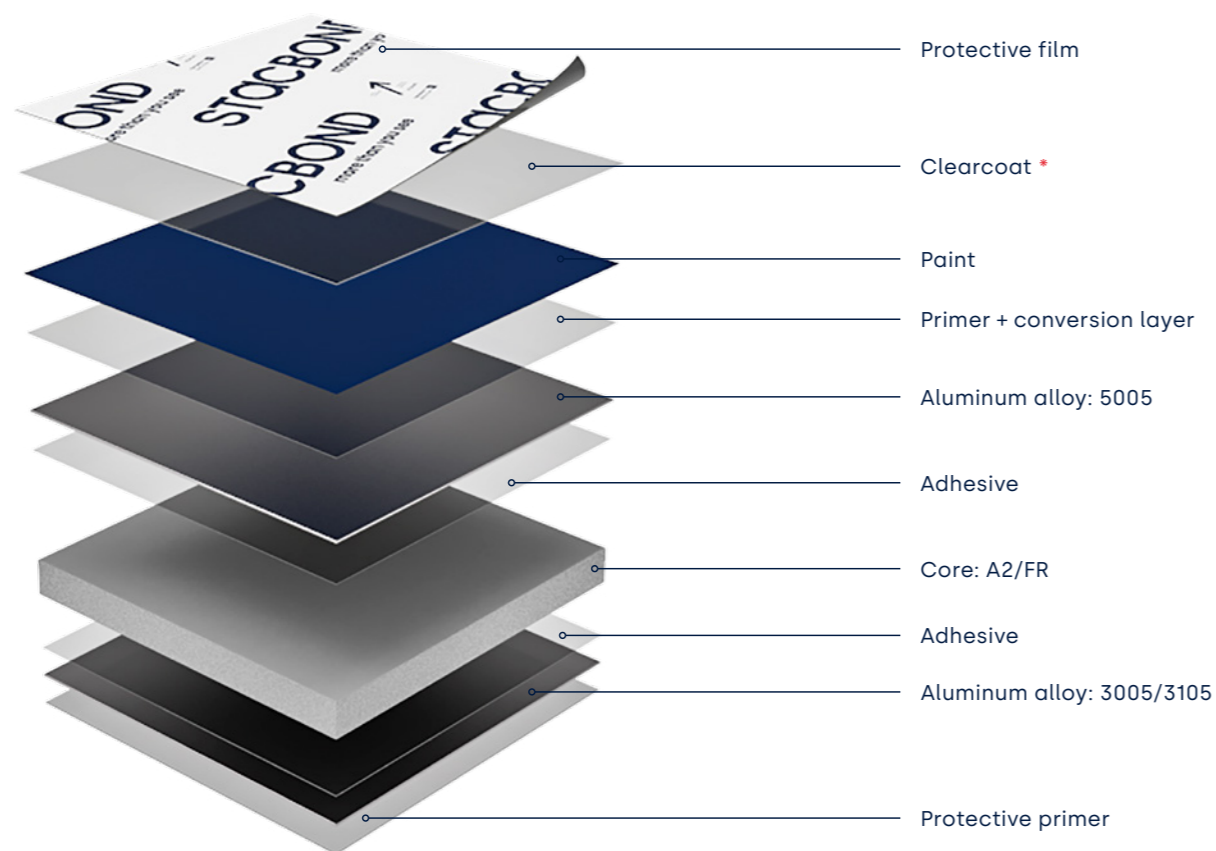
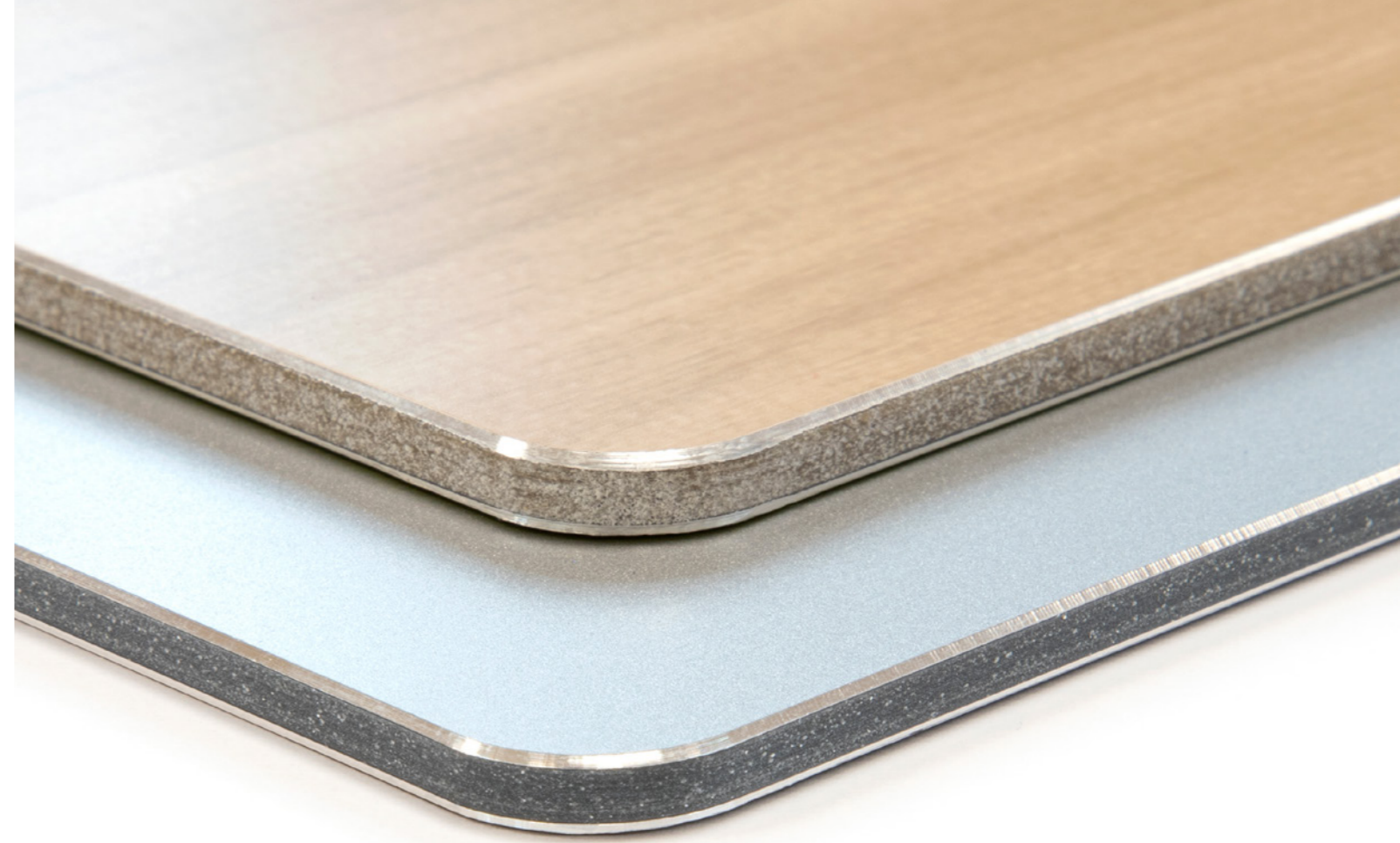
Composition

The STACBOND composite panel is a material composed of a core with an outer and inner layer of aluminum coated with the highest quality paint that offers greater resistance to ageing.

The core of the panels can have various levels of mineral charge. According to this it can be:

- **STACBOND A2** (non-combustible core)
- **STACBOND FR** (fire retardant core).

During the manufacturing process, the STACBOND composite panel undergoes rigorous testing and exhaustive internal and external quality controls, thanks to which it has obtained CE marking and EPD certification.



*Three-coat paint available on request.



New recycled cores

We are committed with the environment. So much so that our FR and A2 cores are made from recycled components.

Thanks to this, we are able to reduce the carbon footprint of our products, creating the **most sustainable solutions without compromising on quality**, controlling the entire manufacturing process from the procurement of raw materials to the finished product.

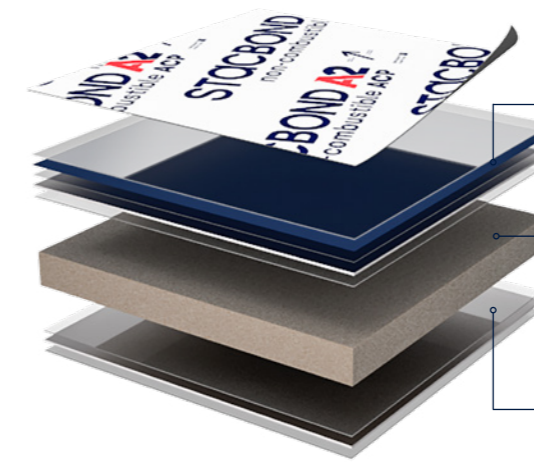
Magnum business center
 Kaunas, Lithuania
 STACBOND A2 non-combustible composite panel.



Non-combustible panel

The **STACBOND A2** aluminum composite panel, with a non-combustible mineral core has been developed to meet the highest standards regarding current fire regulations.

STACBOND A2
 non-combustible ACP



Aluminum foil with a thickness of 0.02 in (0.5 mm) (alloy: 5005)

Mineral core with a thickness of 0.118 in (3 mm) composed of 90% difficult to burn mineral material.

Aluminum foil with a thickness of 0.02 in (0.5 mm) (alloy: 3005 / 3105)*

* Possibility of alloy 5005 upon customer request.

Physical specifications | Especificaciones físicas | Spécifications physiques

Total thickness Espesor total Épaisseur totale	4 mm
Panel weight Peso panel Poids du panneau	9.30 ± 0.50 kg/m²

A2 core specifications | Especificaciones núcleo A2 | Spécifications noyau A2

Density Densidad Densité	2.20 ± 0.15 g/cm³
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Fire classification | Clasificación frente al fuego | Classification de réaction au feu

EU	UNE-EN 13501	A2-s1, d0
USA	ASTM E84	FS: 0 SD: 10
	NFPA 285	PASS
Poland	PN-B-02867:2013-06	NRO
Hungary	MSZ 14800-6:2020	PASS



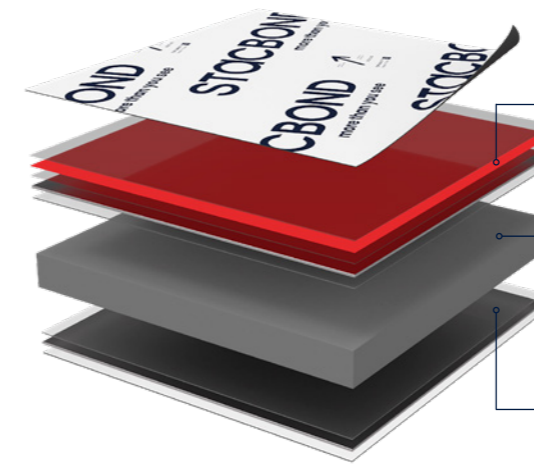
Valley View
Oslo, Norway
STACBOND FR fire retardant composite panel.

Fire retardant panel

The **STACBOND FR** aluminum composite panel has an inner core with a fire retardant mineral filler.

Thanks to its excellent mechanical properties, this attractive construction solution meets most fire classification requirements.

STACBOND FR
fire retardant ACP



Aluminum foil with a thickness of 0.02 in (0.5 mm) (alloy: 5005)

Core with 70% mineral filler and 0.118 in (3mm) thickness meets the most stringent fire certifications.

Aluminum foil with a thickness of 0.02 in (0.5 mm) (alloy: 3005 / 3105)*

* Possibility of alloy 5005 upon customer request.

Physical specifications | Especificaciones físicas | Spécifications physiques

Total thickness Espesor total Épaisseur totale	4 mm
Panel weight Peso panel Poids du panneau	7.70 ± 0.50 kg/m ²

A2 core specifications | Especificaciones núcleo A2 | Spécifications noyau A2

Density Densidad Densité	1.70 ± 0.10 g/cm ³
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Fire classification | Clasificación frente al fuego | Classification de réaction au feu

EU	UNE-EN 13501	B-s1, d0
USA	ASTM E84	FS: 0 SD: 5
	NFPA 285	PASS
Canada	CAN/ULC-S102	SD: 0 FS: 0
	ULC-S134	PASS
Poland	PN-90/8-02867	NRO
Israel	TY 755:2013	B-s1, d0

Over 100 finishes
in stock



More than just colors, it is creating the **perfect finish for your project**

We have our **own color laboratory with the best specialists** to achieve the exact finish you need to turn your project into a trend-setting urban icon.

In addition, it can be supplied in any color of the RAL, PANTONE or NCS charts. Consult us.



STACBOND facade simulator

At STACBOND we have developed a **new quick and easy online tool** that allows you to freely combine our finishes on different types of buildings.

Once the proposal has been created, you can download your project file with the chosen finishes.



Try it!

Your project in 3 easy steps

01 Choose project

Discover different styles of architectures and choose the one that best suits your project. What are you looking for? A single-family home? Refurbishing a residential building? And what about an institutional project?



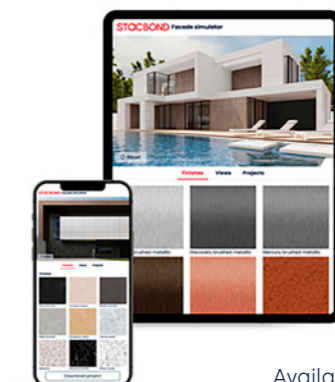
02 Combine finishes

Choose any finish from our Anodic, Metallic, Metro, Mineral, Neubau, Solid, Special and Wood collections and combine to create a unique project, without limiting your creativity.



03 Instant download

After a simple registration process, you will receive a PDF by email with different views of the project created and the selected finishes.



Available on all devices

Beyond aluminum

STACBOND panels are available in **natural finishes** such as copper or zinc. Ask for more information about the natural oxidation of these finishes.

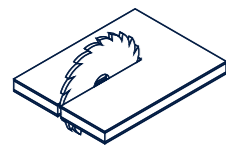
Ibrahim's Khan theater

Paphos, Cyprus

STACBOND composite panel with Natural copper finish.

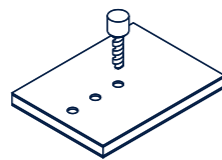
The equipment for any process

STACBOND has set itself the goal of supporting your creativity through a wide variety of innovative finishes. Furthermore, through our panel **machining and transformation processes**, the range of aesthetic possibilities available to you is infinite.



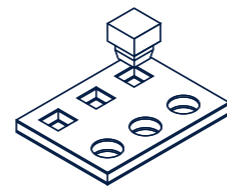
Cutting

Straight, curved and angled cuts are possible, depending on the tools used.



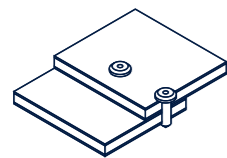
Drilling

Drilling can be frequent during installation of the product on site.



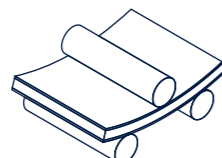
Punching and die cutting

Following certain parameters, it can be punched and die-cut into different shapes.



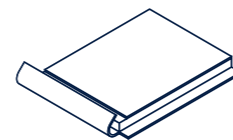
Riveting and screwing

Can be installed using rivets or screws, either to each other or to other materials.



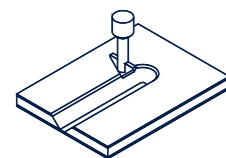
Bending with rollers

To make curved panels the best system is using a bending machine with 3/4 rollers.



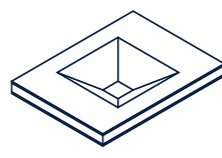
Edge folding

We offer three types of border: simple, double interior and double exterior.



Milling

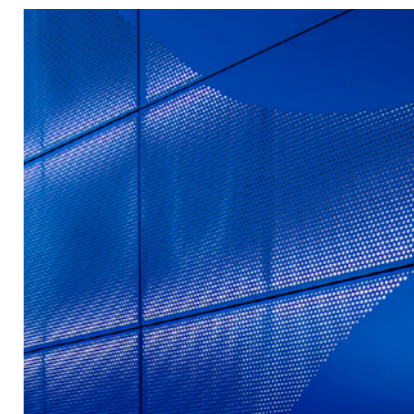
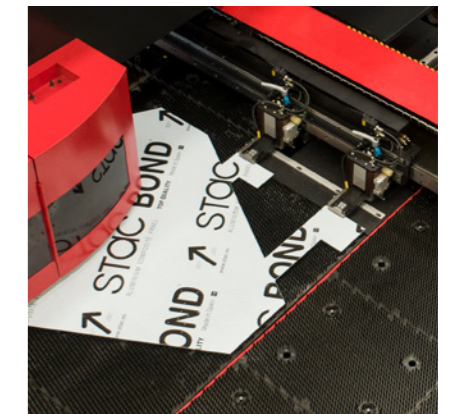
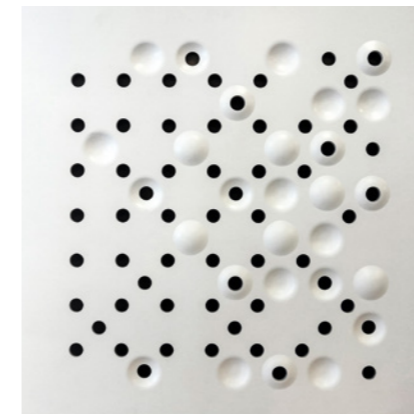
The partial milling of the panels allows them to be bent into shape.



Embossing

It is possible to stamp and engrave using CNC machines.

One product, thousands of solutions



4 CNC pantographs

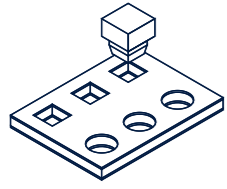
CNC punching machine

CNC bending machine



Embossing machine

Edging machine



Punching

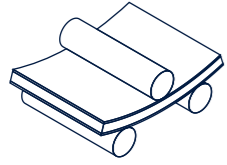
The STACBOND composite panel can be perforated to give it high levels of personalization and creativity, creating **games of light on the building's surface**.

Thanks to the advanced technology available in the STACBOND technical department, different sizes, shapes and distances between perforations are possible, with top quality results.



Shaping
your ideas

Punt Sniep
Diemen, Netherlands



Bending

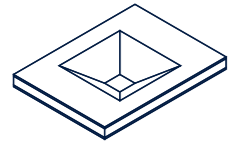
The curved STACBOND composite panel allows you to **adapt completely to the surface** of a project and totally modify its shape quickly and efficiently.

For this, STACBOND has the necessary technology to generate concave and convex surfaces compatible with all ventilated façade systems.



Precise
bending

Maximus hotel
Byblos, Lebanon



Embossing

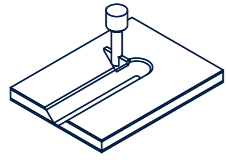
Thanks to the modern infrastructure used at our production center, we develop numerous types and sizes of composite panel embossing, therefore offering **great creative freedom of embossments** that give personality to the skin of your projects.

STACBOND works in close collaboration with architects and designers to materialize the most avant-garde proposals.



Original
surfaces

Beatriz de Angelo Hospital
Loures, Portugal



3D shaping

Shape your ideas. The STACBOND composite panel can be shaped, offering an **unlimited range of volumetric shapes** that complement any type of architectural facade, instantly giving it a distinctive character.



Inspiring
forms



Trigone building
Paris, France



More systems, more solutions



STACBOND has 10 mounting systems to offer new possibilities and solutions to contemporary architecture. These systems are meticulously designed to suit the particular needs of each project. They are divided into two main groups according to their substructure:

- **T substructure**
Consisting of special L-shaped spacers and T upright profile which offers a great advantage in material and weight savings.
- **OMEGA substructure**
Consisting of U or DOUBLE T spacers and OMEGA upright profile which offers the possibility of combining with other curved modulation systems in the vertical of the facade.



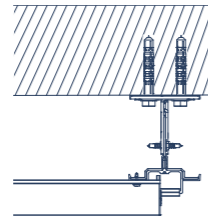
Consult our technical catalogue for more information about STACBOND systems.

Assembly systems

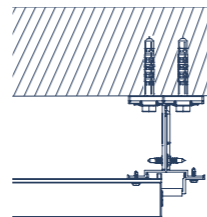
Hanging system

Hanging assembly system with hidden fixings, especially **suitable for facades with several openings and vertical modulations.**

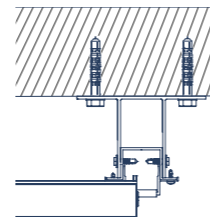
STB-T-CH-PRO



STB-T-CH



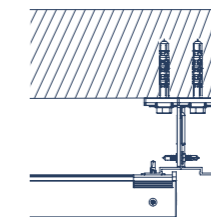
STB-CH



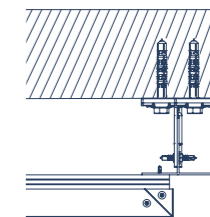
Male-female system

Male-female assembly system with hidden fixings especially **suitable for facades with few holes and horizontal modulations.**

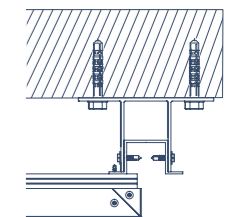
STB-T-SZ-PRO



STB-T-SZ



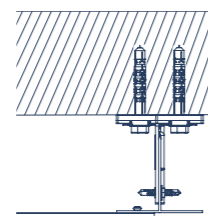
STB-SZ



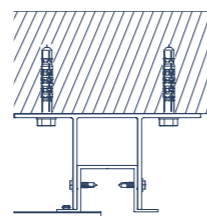
Riveted system

Highly versatile assembly system with visible fixings, which **adapts perfectly to any architectural style.**

STB-T-REM



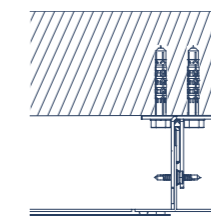
STB-REM



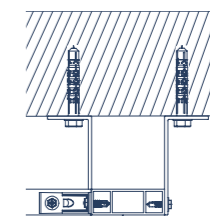
Glued system

Highly versatile assembly system with hidden fixings, especially **suitable for any architectural style and interior cladding.**

STB-T-PEG



STB-PEG





We are quality certified

STACBOND systems follow a **controlled process through rigorous internal testing and quality control** in our laboratories. They also undergo external audits by the most prestigious construction institutes working in the different countries where we are certified.

Certifications are granted in accordance with American (International Building Code), Canadian (CAN/ULC S102 and S134) and European standards (EAD GUIDE 090062-00-0404). We also hold ISO 9001 and ISO 14001 certifications to guarantee that our construction systems comply with the national regulations of each country.



USA



Canada



Spain



Mexico



Poland



France



UK



Romania



Switzerland



International



International

The hanging, male-female and rived systems have the European technical evaluation document ETE/ETA 15-0655 and CE marking.

We are energy-efficient

All our products have a direct impact on the energy consumption of buildings, making them more efficient and sustainable.

Our composite panel and substructure systems are present in the facade of **Passivhaus-rated** buildings.

Powerhouse Brattørkaia
Trondheim, Norway

BREEAM-Excellent certified building with STACBOND panel facade and photovoltaic panels.

Refurbishing to give a second chance

Refurbishing a building is one of the **most environmentally friendly alternatives**. This, combined with the choice of recyclable materials, results in a much more sustainable construction.

Espazo Amizar
A Coruña, Spain

Before



Complete building refurbishment using the STB-CH hanging system combined with STACBOND composite panel slats.

Increased energy savings



Nova Cruz hotel
Santa María da Feira, Portugal

Complete refurbishment of the Nova Cruz hotel using the STB-T-CH hanging system combining Copper metallic and Carbon finishes.

Refurbishment

Replacing old, worn out or deficient materials with STACBOND technology **improves the acoustic and thermal insulation, which has a positive impact on the energy efficiency** of the building.

Given that they are made from recyclable material, their use is much less harmful to the environment.

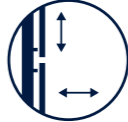
Thanks to the innovation made by our designers and the lightness achieved in our systems, their installation on the facade is much **cleaner, easier and more convenient** than others.

Our technical department has the leading tools for façade study and development.

Advantages over other systems



Structural lightness



Larger formats



Watertightness



Quick and easy installation



Infinite shapes and geometries



Complex bends



Easy maintenance



Finials in the material itself



STACBOND

100% recyclable

We believe the world can be a better place

All STACBOND products have obtained **EPD** certification. This is the document that establishes the environmental footprint of a product, from the beginning of its manufacturing process until it leaves the installations where it was made.

In fact, we give a second chance to each product thanks to **our recycling system capable of reusing 100%** of the aluminium composite panel.

We have recently obtained the **Zero Waste Management Certification**, after verification by Bureau Veritas of the quantities of waste that are recovered, recycled or revalued instead of being sent to landfill.

STACBOND is also **ISO 14001** certified, which guarantees that the Environmental Management System (EMS) carried out at our facilities complies with the requirements of this regulation.

Garden house
Las Palmas, Spain



STACBOND Finishes

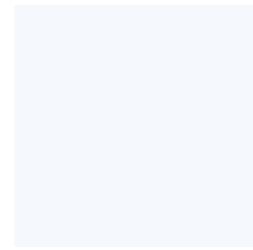
The latest aesthetic trends are available for your project to make it unique and turn it into a landmark.



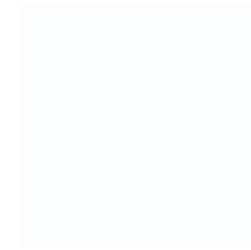
Mirror
STB-M01
Special



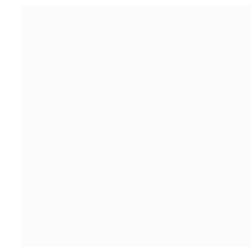
Textured white
STB-4C3
Special



Arctic white
STB-401
Solid



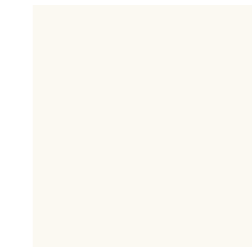
Traffic white
STB-413
Solid



Signal white
STB-459
Solid



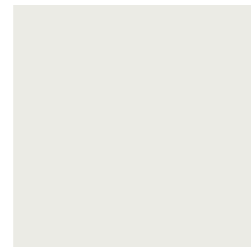
Pure white
STB-420
Solid



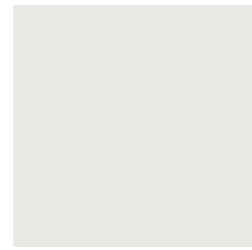
Cream
STB-455
Solid



Ivory
STB-485
Solid



Grey white
STB-492
Solid



Light grey
STB-439
Solid



Mouse grey
STB-458
Solid



Dusty grey
STB-4A5
Solid



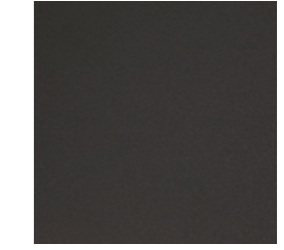
Iron grey
STB-469
Solid



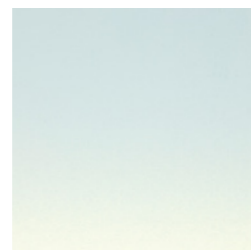
Graphite grey
STB-4E3
Solid



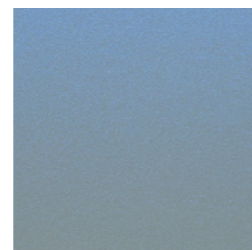
Umbra grey
STB-417
Solid



Grain anthracite
STB-4D5
Special



Golden pearl
STB-S10
Special



Stellar blue
STB-S12
Special



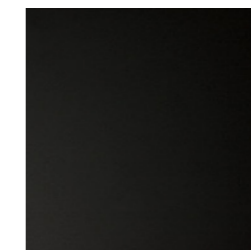
Anthracite grey
STB-478
Solid



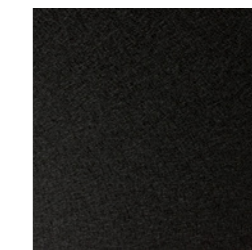
Black grey
STB-451
Solid



Black
STB-415
Solid



Ultramatt black
STB-425
Special



Rugged black
STB-4E9
Special



High gloss black
STB-4F1
Special



Golden sand
STB-4D8
Special



Lighter much more blue
STB-468
Special
designed by
Luis Vidal + Architects



Natural blue
STB-430
Solid



Ultramarine blue
STB-412
Solid



Steel blue
STB-473
Solid



Yellow green
STB-484
Solid



Dark green
STB-487
Solid



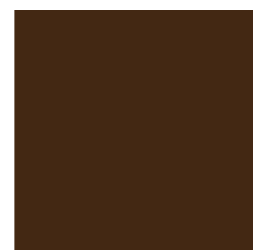
Traffic yellow
STB-493
Solid



Sunset
STB-S08
Special



Orange
STB-495
Solid



Brown
STB-494
Solid



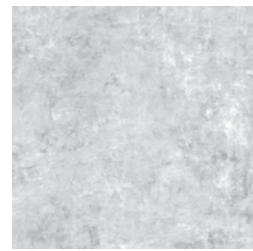
Traffic red
STB-411
Solid



Blood red
STB-498
Solid



Deep red
STB-488
Solid



Tromso winter
STB-P12
Metro



Gallaecia sense
STB-GR3
New
~



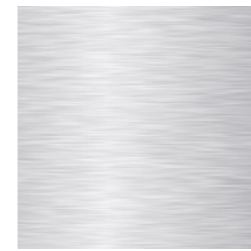
Travertine
STB-TR1
Mineral



Straw chestnut sense
STB-W13
New
~



Natural oak
STB-W09
Wood



Natural brushed
STB-449
Neubau



Anodic light
STB-E02
Anodic



White metallic
STB-400
Metallic



Champagne metallic
STB-405
Metallic



Silver metallic
STB-403
Metallic



Dry concrete
STB-H01
Metro



Palatino sense
STB-PC1
New
~



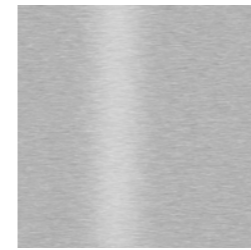
Venetian theater
STB-P03
Metro



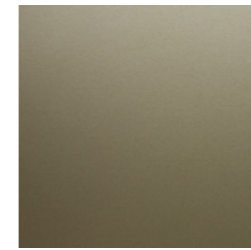
Linen chestnut
STB-W06
Wood



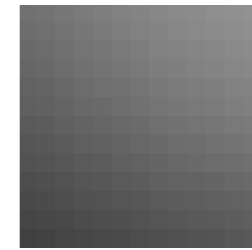
Mountain oak sense
STB-W15
New
~



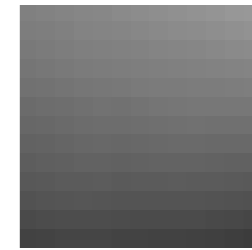
Apollo brushed metallic
STB-B01
Neubau



Anodic dark
STB-E03
Anodic



Titanium metallic
STB-407
Metallic



Grey metallic
STB-402
Metallic



Bronze metallic
STB-406
Metallic



Slate concrete
STB-H02
Metro



Capri sense
STB-PC4
New
~



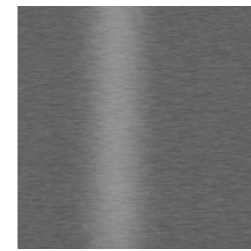
Symphony urban
STB-P01
Metro



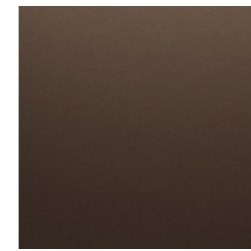
Natural chestnut
STB-W07
Wood



Jacobean oak
STB-W11
Wood



Mercury brushed metallic
STB-B02
Neubau



Anodic shade
STB-4B3
Anodic



Gold metallic
STB-454
Metallic



Copper metallic
STB-414
Metallic



Terracotta
STB-450
Metallic



Basalt concrete
STB-H03
Metro



Corbel sense
STB-ST3
New
~



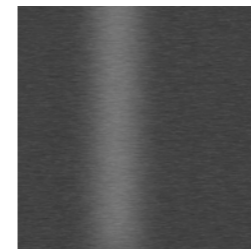
Namibia ambar
STB-P04
Metro



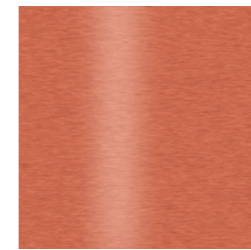
Autumn chestnut sense
STB-W14
New
~



Mocha oak sense
STB-W16
New
~



Discovery brushed metallic
STB-B03
Neubau



Ariane brushed metallic
STB-B05
Neubau



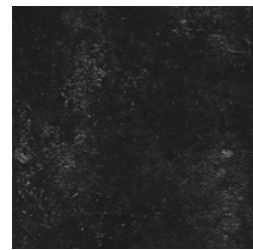
Intense copper
STB-4D7
Metallic



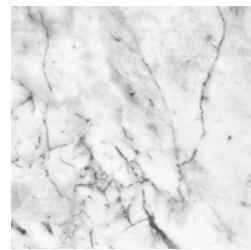
Blue metallic
STB-409
Metallic



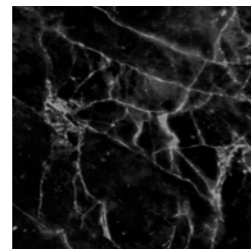
Jade green
STB-410
Metallic



Onyx concrete
STB-H04
Metro



White marble
STB-MA2
Mineral

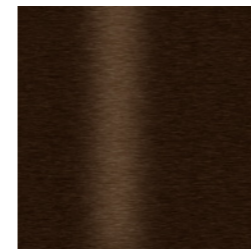


Marquina marble
STB-MA1
Mineral

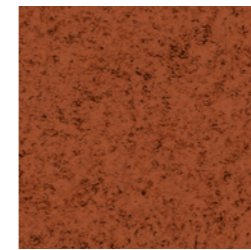


Ontario wind
STB-MP2
New
~

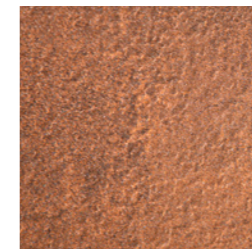
~ Embossed



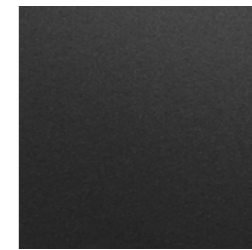
Soyuz brushed metallic
STB-B04
Neubau



Neo corten
STB-CT1
Neubau



West corten sense
STB-CT3
New
~



Carbon
STB-408
Metallic



Dark grey
STB-483
Metallic






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Haarlem, Netherlands




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STACBOND is at your disposal for any queries. We have technical support in Spanish, English, French, German and Italian.


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