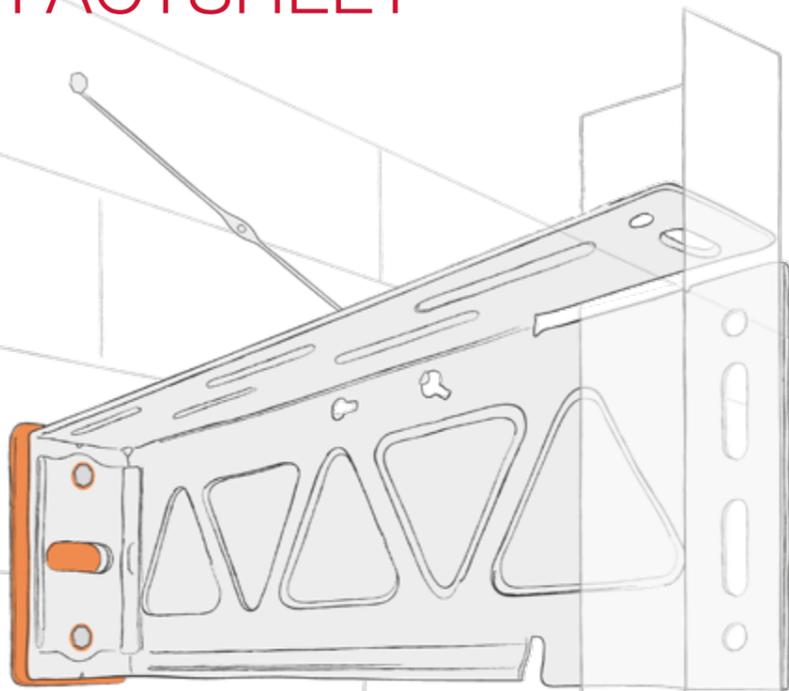


CROSS-FIX

FACTSHEET



Did you know?

The CROSSFIX® substructure was developed to meet the requirements of architects, builders and fabricators who attach great importance to sustainability, environmental protection, flexibility and the highest safety requirements.

Stainless steel has long since replaced aluminum in terms of economic and ecological considerations; and here especially in terms of CO2 reduction. In addition, our brackets made of A2 or A4 stainless steel have such a high load-bearing capacity that usually fewer components need to be installed – compared to other systems on the market.

As a result, CROSSFIX® offers our customers not only significant material savings, but also, incidentally, a reduction in installation time.

In terms of fire safety, stainless steel is unbeatable and consequently meets the highest fire protection requirements.



CROSSFIX® withstands high temperature

CROSSFIX® stands for safety. Thus, special attention was paid to fire protection. CROSSFIX® can achieve a much higher safety standard than systems made of aluminum or hybrid materials with plastic.

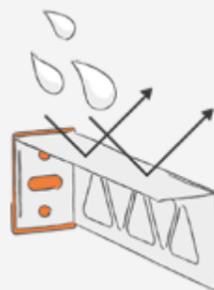
- > Material classification to fire behavior – A1
- > Useful long-term oxidation resistance at temperatures of more than 800 °C
- > Starting melting point at temperatures above 1375 °C. In comparison: standard AL melting point – 650 °C
- > High mechanical strength durability at high temperatures. At 700 °C it is still 55%



CROSSFIX® has a low carbon footprint

CROSSFIX® stands for sustainability and environmental protection. The system already requires significantly less energy in the manufacturing process than most other systems on the market. Added to this are the energy savings in the installed stage, lower heating costs and, of course, the saved insulation material.

- > Preferred system for green buildings worldwide
- > Low CO₂ emission during production; 3.5x lower than with aluminum
- > 10x less primary energy needed than for aluminum production
- > Building's energy consumption will be reduced significantly
- > Less insulation material is needed
- > In combination with the Claw, existing insulation material is kept, not creating additional waste



CROSSFIX® is corrosion resistant

CROSSFIX® withstands all weather conditions without additional surface treatment. Even in marine regions with high salt content, CROSSFIX® is exactly the right system.

- > Passive protective layer preventing the corrosion
- > No maintenance needed
- > Suitable for marine and other higher corrosive environments
- > Aging test at the thermostop guarantee highest durability even after decades



CROSSFIX® is flexible and easy to install

A smart design developed by craftsmen for craftsmen. CROSSFIX® was specially developed to work quickly and efficiently on the construction site.

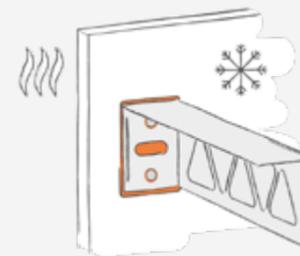
- > Allows for both vertical and horizontal orientation of sub-frame system
- > One bracket used for both fixed and sliding point regardless of system orientation
- > Higher flexibility in designing facade cladding layouts
- > Time saving quick and easy sub-frame installation
- > Our system is so strong, that less consoles are needed compared to other systems. Therewith, a lot of installation time will be saved.



CROSSFIX® is strong and reliable

The entire system is made of stainless steel. Due to the material and the special geometry, CROSSFIX® is super strong and can carry larger loads than most other systems on the market.

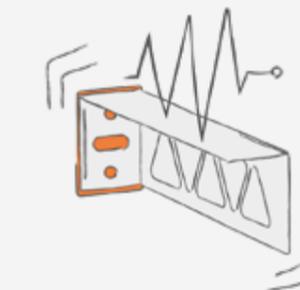
- > The special L-shaped cross-section reduces local buckling and provides perfect load transfer to substrate
- > The special powerkey feature ensures best possible load distribution between anchors
- > In addition, it enables minimum anchor distancing of 250 mm
- > Special stressplate element is used for best possible wind load distributions over bracket base
- > In addition it prevents „pull-over“ of bracket base over anchor head
- > The system is suitable for all substrate types



CROSSFIX® has low thermal conductivity

CROSSFIX® enables a thinner wall construction with the same insulating effect. This means significant savings for the developer and, by the way, it is also much more sustainable.

- > Thermal conductivity 13x lower than in standard aluminum alloys
- > Better U-values and weaker thermal bridging
- > Less insulation needed – greater usable building surface area – faster return of investment
- > Less insulation needed – floor space can be increased. Ideal for old city centers and space limited areas



CROSSFIX® is resilient to seismic activity

CROSSFIX® was developed to offer the highest possible safety even in exceptional situations. Therefore, even the use in earthquake regions is no problem for CROSSFIX®.

- > Due to the special production method, the system has a high elasticity in sideways movement
- > Stainless steel's mechanical properties result in high durability during seismic activity
- > Seismic testing done by CSTBin Paris, France



CROSSFIX® is compatible with ETICS

It does not always have to be a new construction. CROSSFIX® makes it possible to use it on top of intact exterior insulation. This allows to save money, the environment is less polluted and there are no expensive disposal costs.

- > The Claw is compatible with ETICS (external thermal insulation composite systems)
- > The perfect solution for renovating buildings
- > Cost savings due to quick and easy installation
- > Cost savings due to existing insulation material not needing to be de-installed



CROSSFIX® is an international certified system

The outstanding performance of CROSSFIX® is confirmed by a wide range of certifications. ETA certification for example, also saves our customer considerable money, as the entire documentation process for the structural calculations is already defined.

- > European Technical Assessment; ETA –20/0756
- > Passive House Institute; PH
- > Environmental Product Declaration; EPD
- > Leadership in Energy and Environmental Design; LEED and several local certifications



CROSSFIX® brings nature to the city

Our system is the first choice among sustainability-oriented architects, fabricators and developers, when it comes to substructures for facades and urban greening.

- > The high load capacity of the system is ideal for heavy planting systems
- > The variable mounting leaves open all possibilities for the arrangement of planting systems
- > The corrosion resistance of stainless steel allows water supply inside the substructure
- > The low CO₂ footprint of our system, compared to aluminum, integrates the system perfectly into a sustainable architecture