

Your smart choice for the building envelope.



**Qbiss** by trimo

**Qbiss by trimo**<sup>1</sup>, defines the standard for the modern building envelope; a complete modular facade system combining all the very **highest aesthetics** together with the form and **function** demanded by today's architects and designers.

Architecturally, **Qbiss by trimo** takes **modern minimalism** to the next level; optically smooth surface and unique rounded corners delivers the greatest freedom of expression and offers designs of almost limitless possibilities – the perfect solution for all building types including hotels, banks, schools, office buildings, retail developments, leisure facilities or where a modern, **high-tech** landscape-defining construction is required.



## **It's aesthetic**

with a unique rounded corner and famous 'shadow Joint' **Qbiss by trimo** delivers a modern minimalist design

## **It's self-supporting wall**

No additional wall is needed. The self-supporting facade elements are fixed only at the edges on subconstruction or main construction. It means reducing of the cost as well as building time.

## **It's fire resistant**

with integrated fire protection and supporting certification it lowers insurance premiums as well as building in health & safety benefits

## **It's thermally insulating**

with no thermal bridges and a mineral wool core, a more stable seasonal climate can be achieved reducing heating and cooling costs

## **It's watertight**

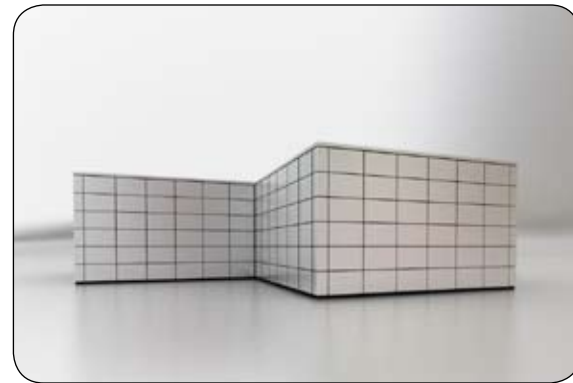
the system is watertight exceeding 900 Pa – significantly higher than most other systems



**Qbiss by trimo** offers three options:

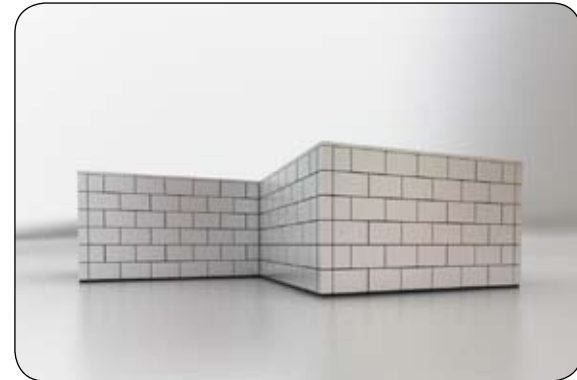
## Horizontal (classic)

The most common orientation, the individual facade elements are joined in the horizontal direction [longitudinal] with a tongue-and-groove system and fixed to structure in a vertical direction [transverse].



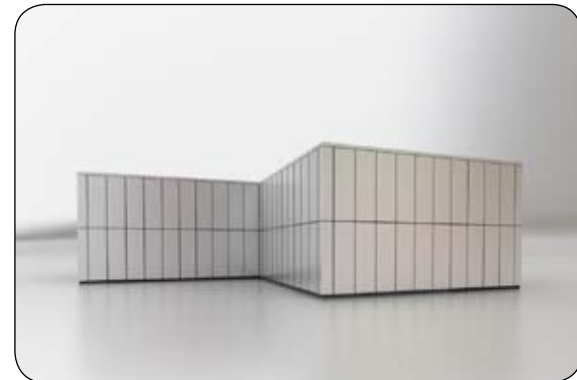
## Horizontal (brick)

This innovative “Brick Structured Assembly” adds another design option to architects seeking to add further individuality to their projects. But **Qbiss by trimo** not only allows a symmetrical shift (end-to-middle of up and lower element), but also allows the vertical joints to be located anywhere on the longitudinal axis of the neighbouring horizontal facade elements.



## Vertical

Vertical orientation of facade elements is possible with each facade element joined in a vertical direction (transversal) with a tongue-and-groove system and fixed to the supporting structure in a horizontal direction (longitudinal).



**Qbiss by trimo** element consists of two galvanised and pre-finished steel sheets (internally 0.5 or 0.6 mm thick and externally 0.7 mm thick). The pre-finished steel sheets are bonded to the element core which is made of non-combustible mineral wool. All three layers make a solid element in thickness of 60 – 240 mm.



**Qbiss by trimo** uses Corus Colorcoat Prisma® on external side and is available in a wide range of popular solid and metallic colours. It comes with the **Corus Confidex® Guarantee for up to 25 years.** <sup>2</sup>

**Qbiss by trimo** is distinguished by the unique rounded corner. This is a unique solution, enabled by the highest automated technology and patented solutions.



## CHARACTERISTICS

	<b>Q-60</b>	<b>Q-80</b>	<b>Q-100</b>	<b>Q-120</b>	<b>Q-150</b>	<b>Q-172</b>	<b>Q-200</b>	<b>Q-240</b>
Thickness (mm)	60	80	100	120	150	172	200	240
Weight (kg/m <sup>2</sup> )	19.2	21.6	24.1	26.5	30.1	32.8	36.1	40.9
U Thermal conductivity (W/m <sup>2</sup> K)	/	0.52	0.41	0.34	0.27	0.24	0.20	0.17
Fire resistance class	/	/	EI 30	EI 60	EI 120	EI 120	EI 120	EI 120
Insulant core	non-combustible mineral wool - density 120 kg/m <sup>3</sup> , Class A1							
R <sub>w</sub> Sound reduction	/	30 dB ->		31 dB ->				
Length	530 - 6500 mm							
Modular width	600 - 1200 mm							
External profile	G - smooth / 0.7 mm							
Internal profile	s, g, v - profile / 0.6 mm or 0.5 mm							
External coating	Corus Colorcoat Prisma® - 50 micron pre-finished steel							
Watertightness	900 Pa							

**Qbiss by trimo – your smart choice for the building envelope with 5-in-1 advantages:**

- High-end, high tech aesthetics
- Self-supporting
- Fire resistant
- Thermally insulating
- Watertight





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