

Qbiss



Qbiss.One



**Qbiss One**<sup>1</sup>, a cost-effective solution for your facade and an ideal alternative to rainscreens. **Combining total functionality and aesthetics** it is the natural choice for all architectural and building applications.

Architecturally, **Qbiss One** takes **modern minimalism** to the next level; optically smooth surface and unique rounded corners of the elements delivers the greatest freedom of expression and offers designs of almost limitless possibilities.

**Qbiss One** offers two design possibilities:

Recessed Design (Qbiss One B)



Flush Design (Qbiss One F)



<sup>1</sup> **Qbiss One** - patent pending



**Qbiss One** is a high-tech, sophisticated facade solution. It's elegant and innovative and is ideal to replace conventional rainscreen facades without compromising any of the aesthetic performance, yet integrating the number of benefits;

## 5 in 1 advantages

### It's aesthetic

with a unique rounded corner and 'shadow Joint' **Qbiss One** delivers a modern minimalistic design

### It's cost-effective

being self-supporting it eliminates the need for any additional support or substructure, as well as reducing build time

### It's safe

with integrated fire protection and proven fire protection certification it lowers insurance premiums in addition to building in health & safety benefits

### It's cosy

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

### It's robust

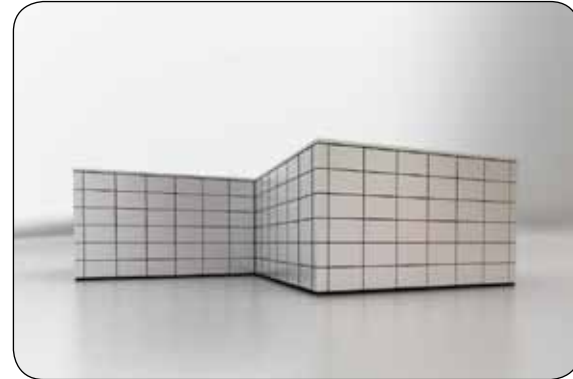
prefabricated and manufactured by the latest automated technology, a long-term building solution is ensured



**Qbiss One** installation method possibilities:

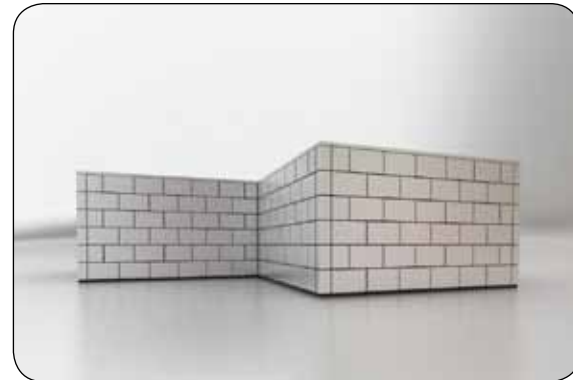
## Horizontal classic

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



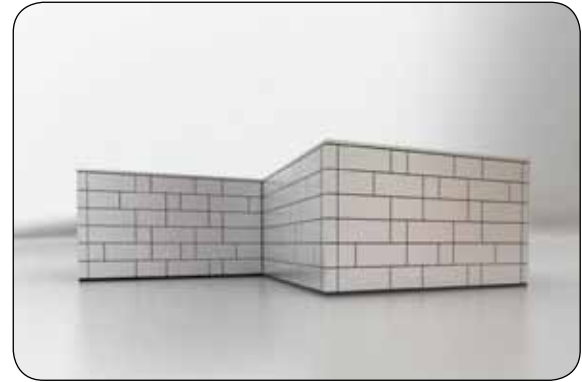
## Horizontal brick

This innovative “Brick Structured Assembly” offers another design option to architects seeking to add further individuality to their projects. But **Qbiss One** 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.



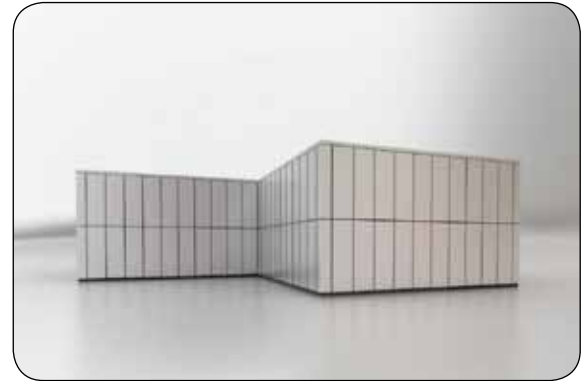
## Horizontal asymmetrical

In an asymmetrical structured assembly, the horizontal axis is completely aligned along the whole width of the building, whilst the verticals are aligned according to a random assembly. This way, the building envelope creates a modern dynamism, showing the form of the building and other architectural features.



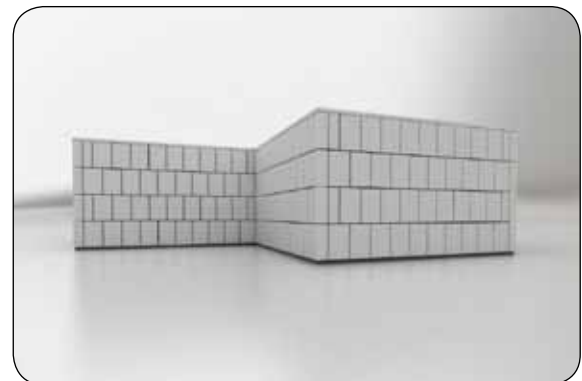
## Vertical classic

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).



## Vertical brick

Vertical Brick Structured Assembly enables individual façade elements to be connected vertically. Variety can be provided for the façade envelope by installing modular façade elements with a shift in a horizontal direction.



**Qbiss One** is distinguished by the unique rounded corner of the element. A unique solution, enabled by the highest automated technology and patented manufacturing systems.

**Automated technology** ensures standardized products that are produced under the same conditions and to the same high quality. Automated production reduces human errors to an absolute minimum.

All **Qbiss One** elements are custom-made according to plans. There is no need for on-site cutting or any other post-production modification.



## ArtMe — 100 % individual expression on a facade envelope

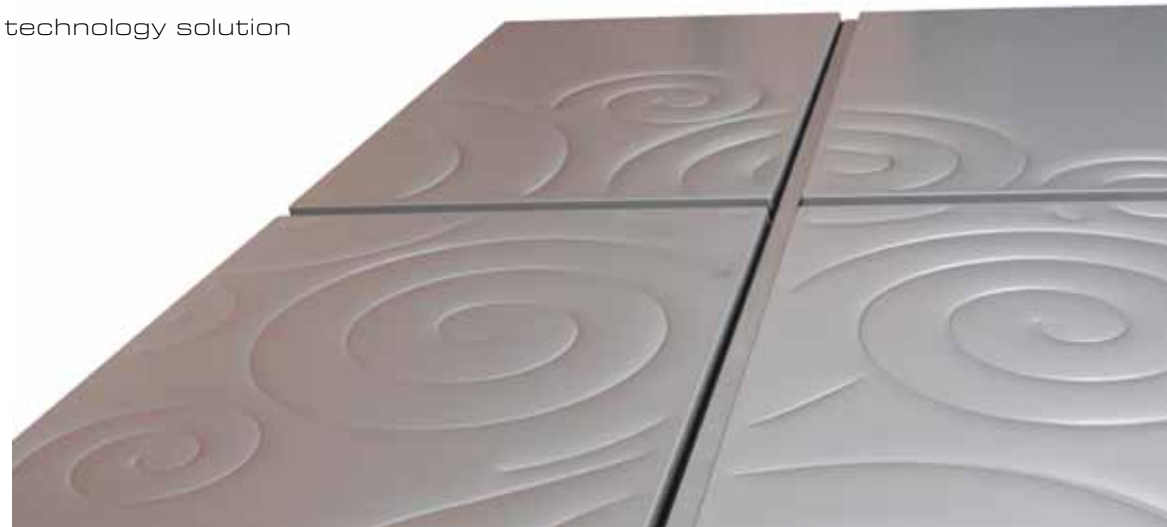
**A Red Dot 2010 — award winning product, ArtMe** is your tool for personal individual expression; on the Qbiss One elements the ability to design, to create, to bring to life your landscape through a unique facade surface treatment that allows literally unlimited shapes, patterns and visual effects for dramatic, individual and expressive results.

### **ArtMe benefits:**

- unlimited possibilities for individual expression
- unique designs
- ready — made designs (Puzzles, Bubbles, Lines)
- highest façade quality
- maximal visual effect at minimal cost
- latest high -tech technology solution

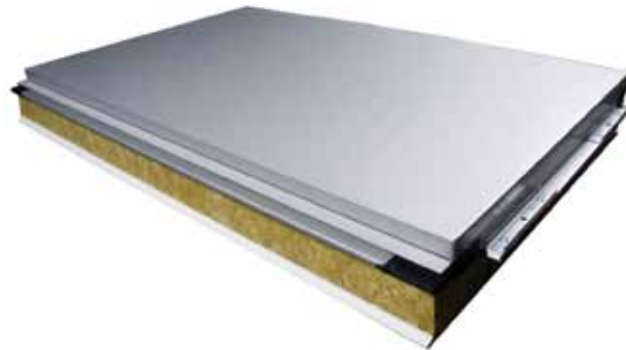


reddot design award  
winner 2010



# Qbiss.One | Composition

**Qbiss One** is a pre-fabricated element consisting 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 of thickness ranging 80 – 240 mm.



**Qbiss One** uses Colorcoat Prisma<sup>®</sup> pre-finished steel of Tata Steel, which offers you a wide range of colours. This product offers you **Confidex<sup>®</sup> Guarantee for up to 30 years.**<sup>2</sup>

<sup>2</sup> Colorcoat, Confidex and Prisma are registered trademarks of Tata Steel UK Limited.

## CHARACTERISTICS

	<b>Q-80</b>	<b>Q-100</b>	<b>Q-120</b>	<b>Q-133</b>	<b>Q-150</b>	<b>Q-172</b>	<b>Q-200</b>	<b>Q-240</b>
Thickness (mm)	80	100	120	133	150	172	200	240
Weight Qbiss One B (kg/m <sup>2</sup> )	21.6	24.1	26.5	28.0	30.1	32.8	36.1	40.9
Weight Qbiss One F (kg/m <sup>2</sup> )	21.4	23.8	26.2	27.7	29.8	32.5	35.8	40.6
U Thermal conductivity (W/m <sup>2</sup> K)	0.52	0.41	0.34	0.31	0.27	0.24	0.20	0.17
Fire resistance class	/	EI 30	EI 60	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	g, s, v, v2, m2 - profile / 0.6 mm or 0.5 mm							
External coating	Tata Steel Colorcoat Prisma® - 50 micron pre-finished steel, anti-corrosive and UV protection							
Watertightness	Class B (900 Pa)							



patent pending

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