



# Thermal brackets

Modular, free of thermal bridges

Limmat Tower Zurich/  
Switzerland // Primary  
substructure: Thermal  
V-brackets, Glass wool,  
200 mm, Aluminium angle  
// Secondary substructure:  
UB system, internal struc-  
ture 3D ALUCOCBOND  
elements

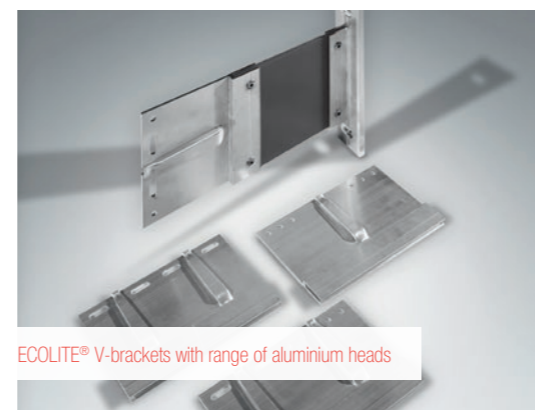
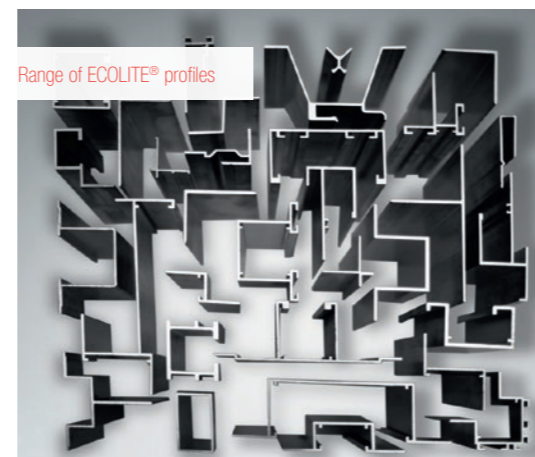
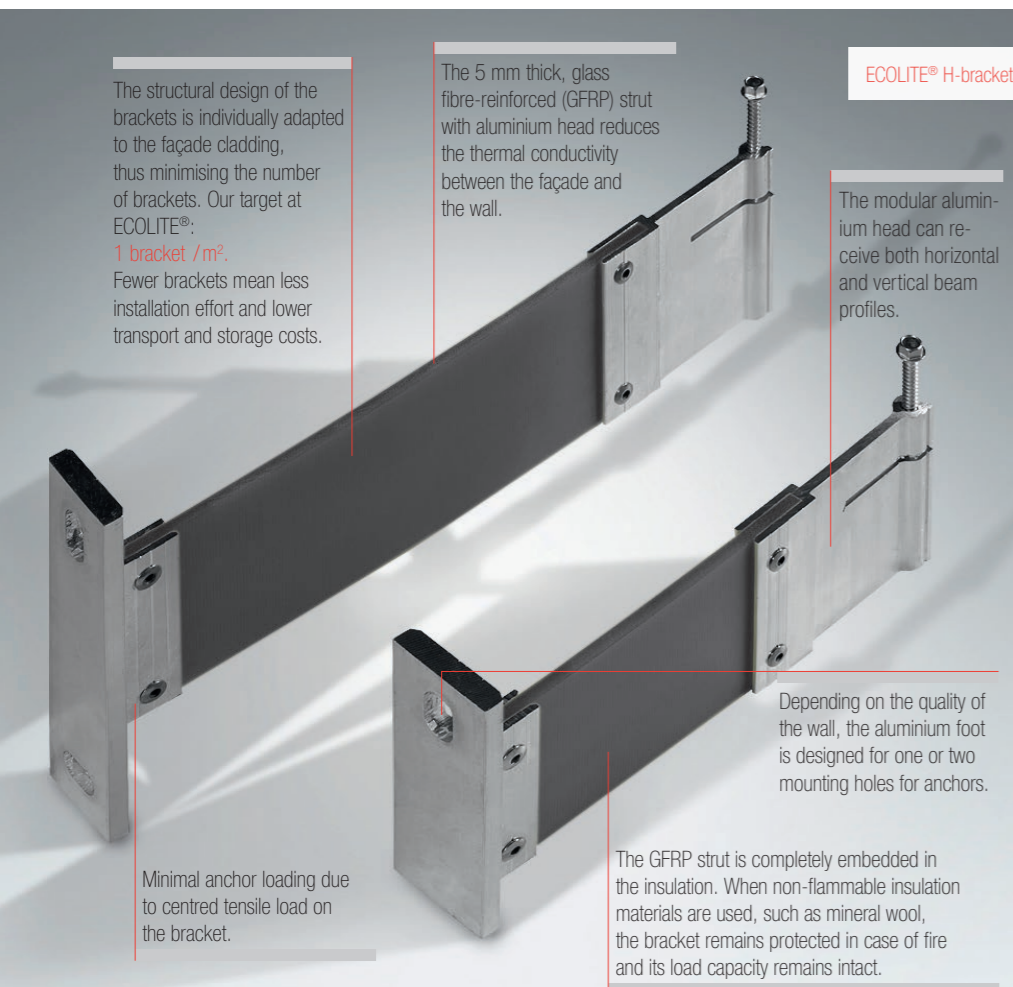
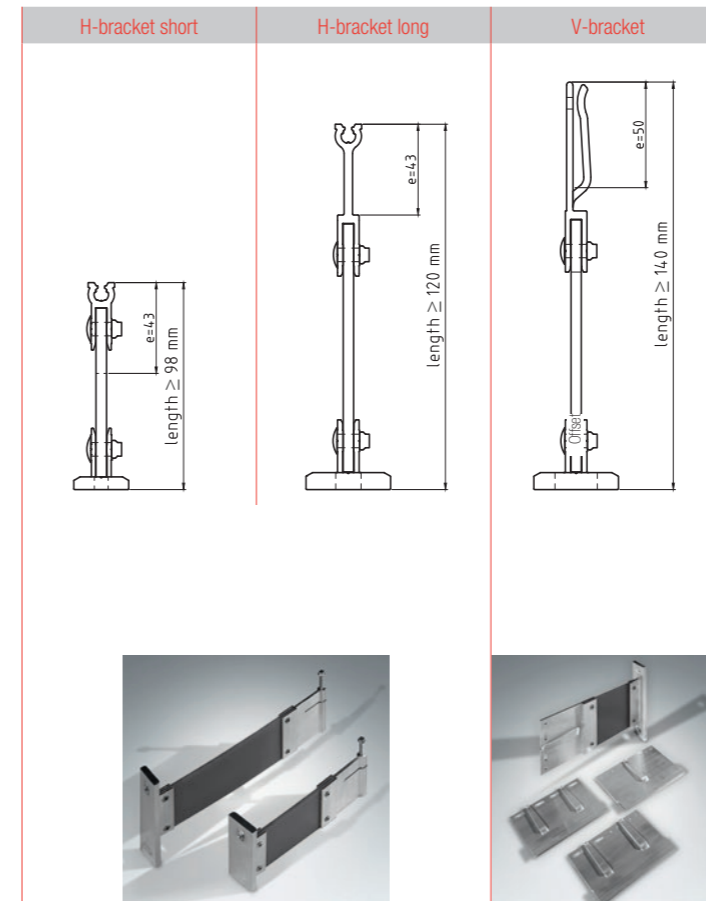
# ECOLITE® thermal brackets

The next generation for mounting rear-ventilated façades.

Because the entire bracket is centred, the leverage applied to the wall anchors is minimized and the load capacity of the design is substantially increased. Depending on the strength of the substrate, one or two mounting holes are needed for installing the anchors for the aluminium foot. The stay consists of a glass fibre-reinforced plastic (GFRP) strut and a modular head made of aluminium, allowing horizontal and vertical beam profiles to be mounted. High-quality, double-shear V4A rivets guarantee maximum security.

- Design free of thermal bridges
- Adjustable
- Massively reduced use of material
- Up to 30% cost savings
- Up to 25% less insulation thickness compared with conventional solution and with the same R-Value
- Minimal loading on wall anchors
- VKF certified and EMPA tested
- Works with all types of façade cladding
- Wide range of ECOLITE® profiles

## Dimensions



## Physical ratios of GFRP (glass fibre-reinforced plastic)

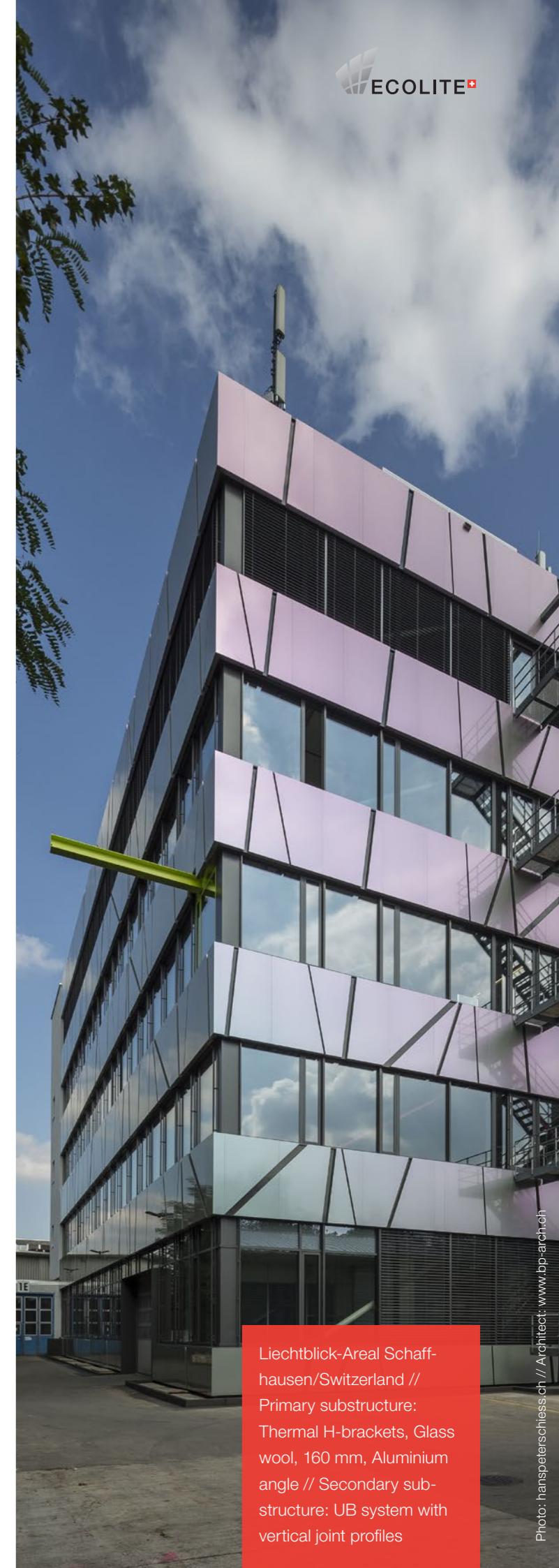
Physical material characteristic	Description/Measured value	Standard/Specification
Density	1.95 g/cm³	DIN 53479
Flexural strength	300 N/mm²	DIN 53452
Tensile strength	220 N/mm²	DIN 53455
Thermal conductivity	0.3 W/mK	DIN 52616

## Load capacity of the brackets

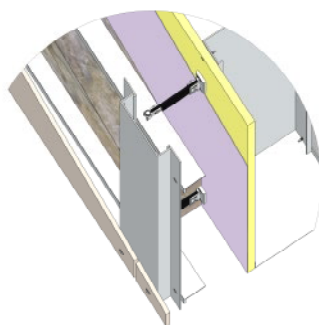
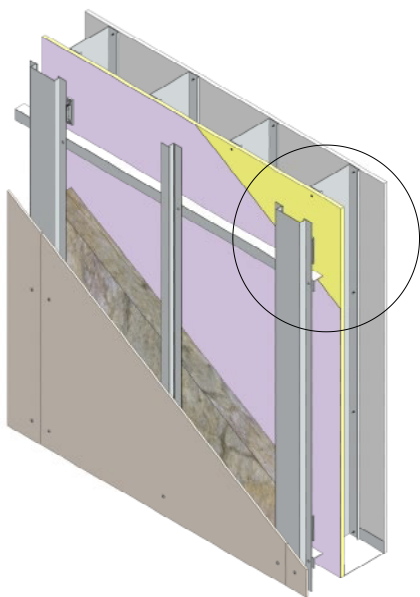
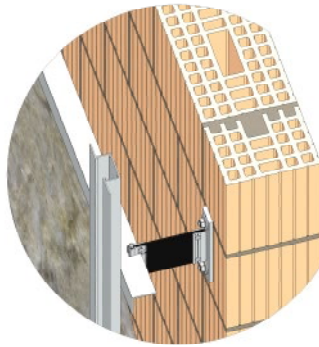
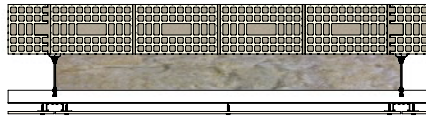
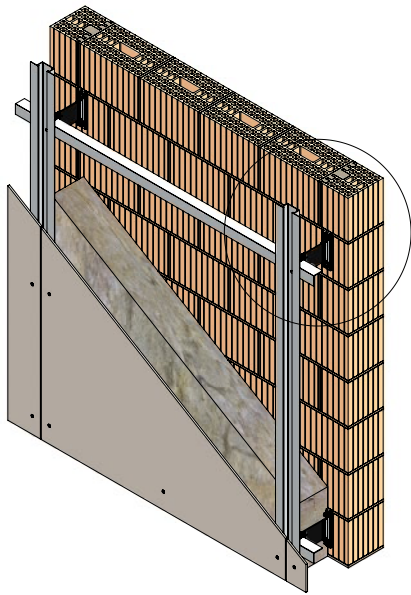
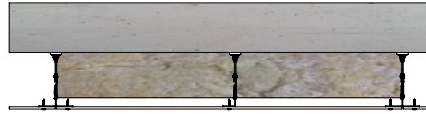
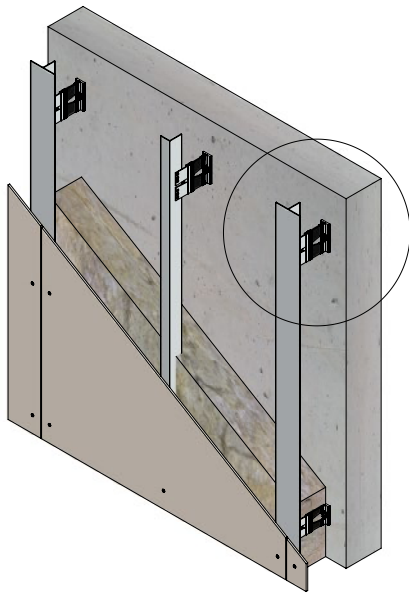
Physical material characteristic	Measured value	Prerequisite
Permissible tensile load/bracket	from 1500 N	Dependent on stay width
Permissible dead weight/bracket	700 N	With an offset of 160 mm
	600 N	With an offset of 200 mm
	500 N	With an offset of 240 mm

## The company ECOLITE AG

René Bregenzer, founder and director of ECOLITE AG, and his son Samuel Bregenzer, represent innovative and practical solutions for all aspects of façade cladding. With developments such as "Thermostop", a product for effectively reducing energy losses, the Swiss company has been established on the international market for years and partners with well-known systems suppliers, processors, planners, and architects.



Liechtblick-Areal Schaffhausen/Switzerland // Primary substructure: Thermal H-brackets, Glass wool, 160 mm, Aluminium angle // Secondary substructure: UB system with vertical joint profiles



 **ECOLITE**<sup>+</sup>  
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