

# Certificate

## Certified Passive House component

for cool, temperate climate, valid until 31.12.2020

Passive House Institute  
Dr. Wolfgang Feist  
64283 Darmstadt  
GERMANY

Category: **Facade anchor**  
 Manufacturer: **Schöck Bauteile GmbH**  
**76534 Baden-Baden, GERMANY**  
 Product name: **Isolink® TA-S**

The following criteria were used in awarding this certificate:

### Efficiency Criterion

In a typical application\*, the construction fulfills the requirements of

$$\text{Eff. fa} \leq 0.200 \text{ W/(kNK)}$$

### Comfort Criterion

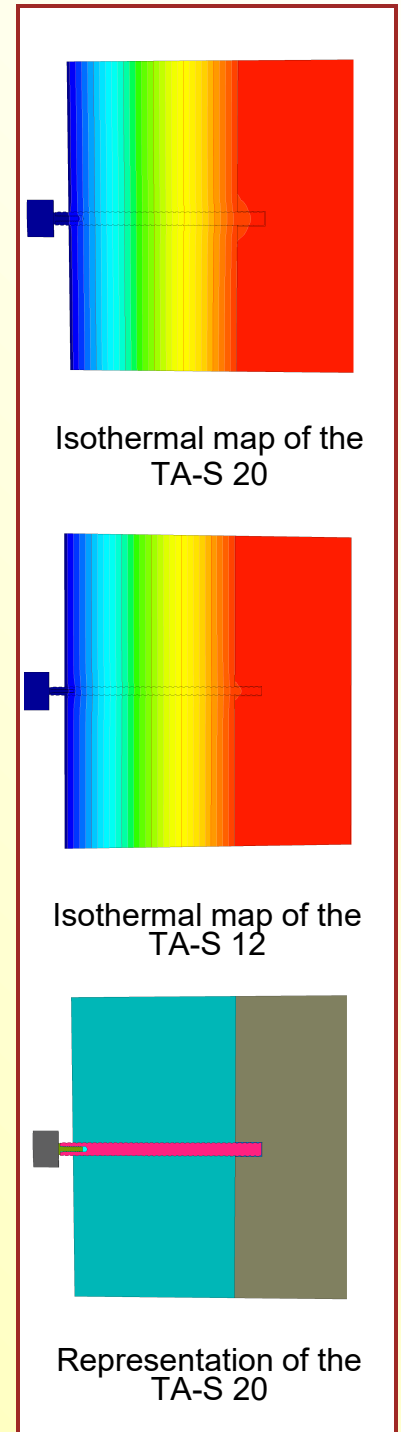
The inner surface must be warm enough to prevent mould as well as uncomfortable down-draught and radiation losses.

$$\theta_{i,\min} \geq 17^\circ\text{C}$$

### Thermal data of the certified component

Schöck Isolink® TA-S	thermal bridge coefficient	minimum inner surface temperature
	$\chi$ [W/K]	$\theta_{i,\min}$ [°C]
Isolink TA-S 12	0.0003	19.47
Isolink TA-S 16	0.0005	19.47
Isolink TA-S 20	0.0008	19.46

\* The criterion has been validated with a representative facade of a school building



# Data sheet

Schöck Bauteile GmbH, Isolink TA-S

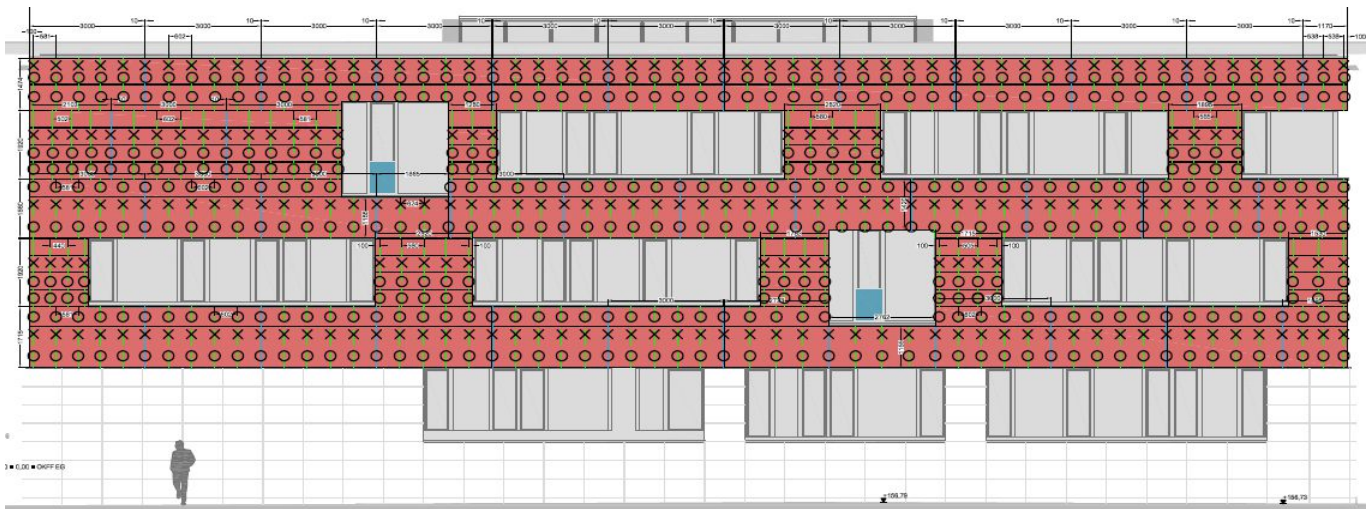
**Manufacturer** Schöck Bauteile GmbH  
 Vimbacher Str. 2, 76534 Baden-Baden, GERMANY  
 Tel.: +49 7223 967-0  
 www.schoeck.de

Validation on reference facade	<b><math>\Delta U</math> [W/m<sup>2</sup>K]</b>
<b>LK VI</b>	0.0025

In order to validate the suitability, the manufacturer provides a statical calculation and an associated installation plan for the reference facade.

The classification criteria and the load class allocation can be found in the current criteria "Zertifizierte Passivhaus Komponente – Fassadenanker, Version 2.0, 08.05.2017".

Load class / Facade weight		Thermal bridge coefficients [W/K]			
-	[kN/m <sup>2</sup> ]	X <sub>TA-S20</sub>	-	X <sub>TA-S12</sub>	X <sub>TA-S16</sub>
<b>VI</b>	0.4	0.0008		0.0003	0.0005
[W/(kNK)]	[W/m <sup>2</sup> K]	Quantity / m <sup>2</sup>			
Efficiency	$\Delta U$	FP1	FP2	SP1	SP2
0.0060	0.0025	1.66		3.40	



Installation-plan reference facade of the certified component

Load-class	Facade cladding	Facade weight [kN/m <sup>2</sup> ]	Efficiency criterion fulfilled?
<b>I</b>	Aluminium laminated	0.10	yes
<b>II</b>	Plastic	0.15	yes
<b>III</b>	Fibre-cement plates	0.20	yes
<b>IV</b>	Acrylic glass	0.25	yes
<b>V</b>	Ceramics	0.30	yes
<b>VI</b>	Stone	0.40	yes