



Supporting bracket TRA-WIK®-ALU-RF / -RL

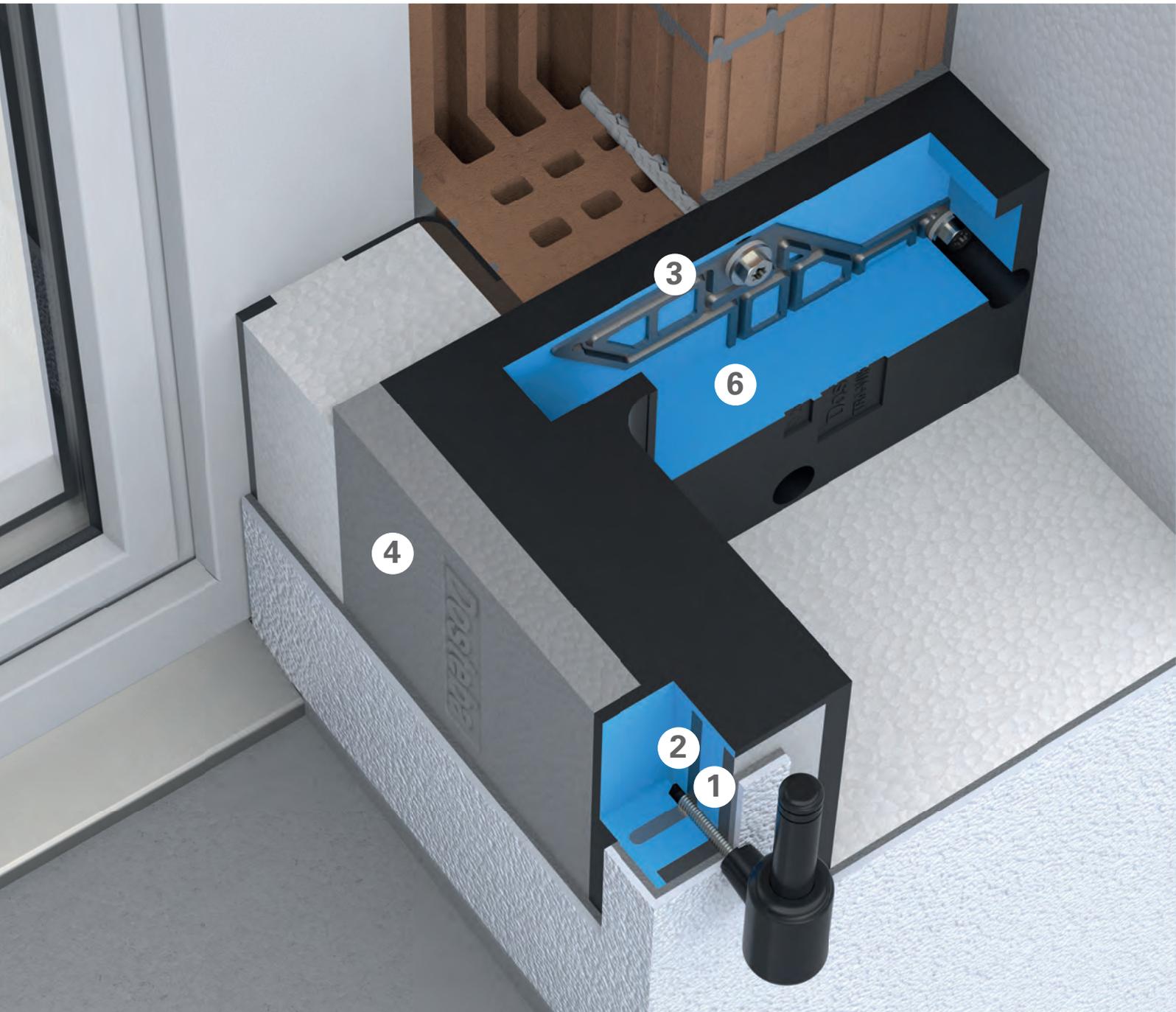
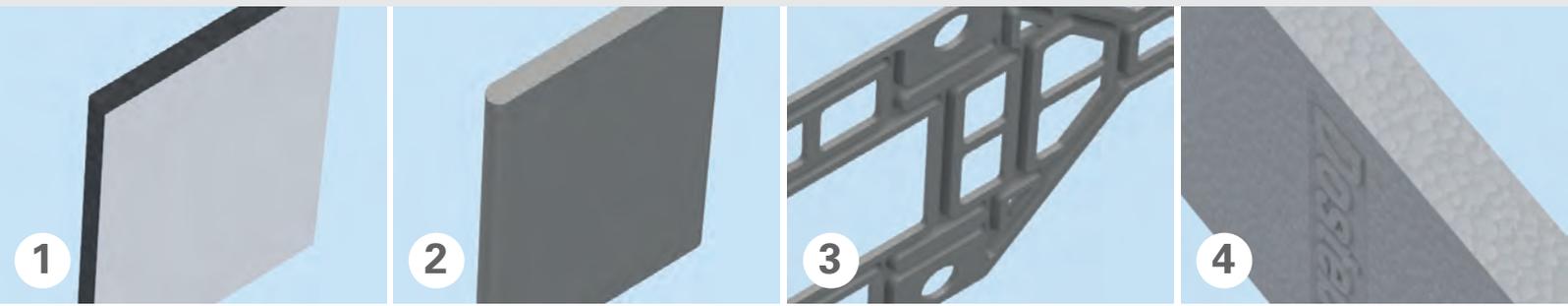


# Dosteba

*Elemente sind  
Elements are  
unsere Stärke  
our strength*

# Supporting bracket TRA-WIK®-ALU-RF / -RL

Thermal bridge-free fixation in thermal insulation composite systems



## Assembly



## Fastening material, tools and loads



- 1 Compact plate (HPL) for optimum pressure distribution on the surface
- 2 Aluminium plate to screw in the attachment part
- 3 Steel sheet panel for the non-positive screw attachment with the anchorage
- 4 Insert made of EPS for uniform plaster substrate
- 5 The base is used as a drill and setting gauge and indicates the adhesive layer thickness in the event of an offset
- 6 PU foam with a volumetric weight of 350 kg/m<sup>3</sup>
- 7 Adjustable foot
- 8 Screw-plug SXRL 10 x 100 FUS
- 9 Injection-threaded rod  
- FIS A M8 x 130 (for masonry)  
- FIS A M8 x 110 (for concrete)
- 10 Injection-anchor sleeve  
FIS H 12 x 85 K
- 11 Injection-mortar FIS V Plus 300 T
- 12 Static mixer FIS S
- 13 Corrosion protection spray FTC-CP
- 14 Hard metal-hammer drill  
- Ø10 mm, drill length 210 mm  
- Ø12 mm, drill length 210 mm  
- Ø10 mm, drill length 450 mm
- 15 Tool set comprising:  
- 2 Coupling shafts 150 mm  
- 2 Bits Torx T40
- 16 Drilling gauge  
UMP® / TRA-WIK® / TWL®
- 17 Ejector pistol ABG
- 18 Set of brushes FIS, Ø14 / 20 mm
- 19 Cleaning brush BS, Ø10 mm / M8
- 20 Tool set comprising:  
- Extension 75 mm  
- Cross-grip  
- Six-point socket  $\square$  13
- 21 Cartridge press

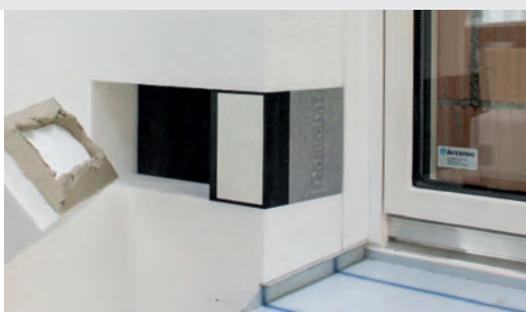
### Permitted loads

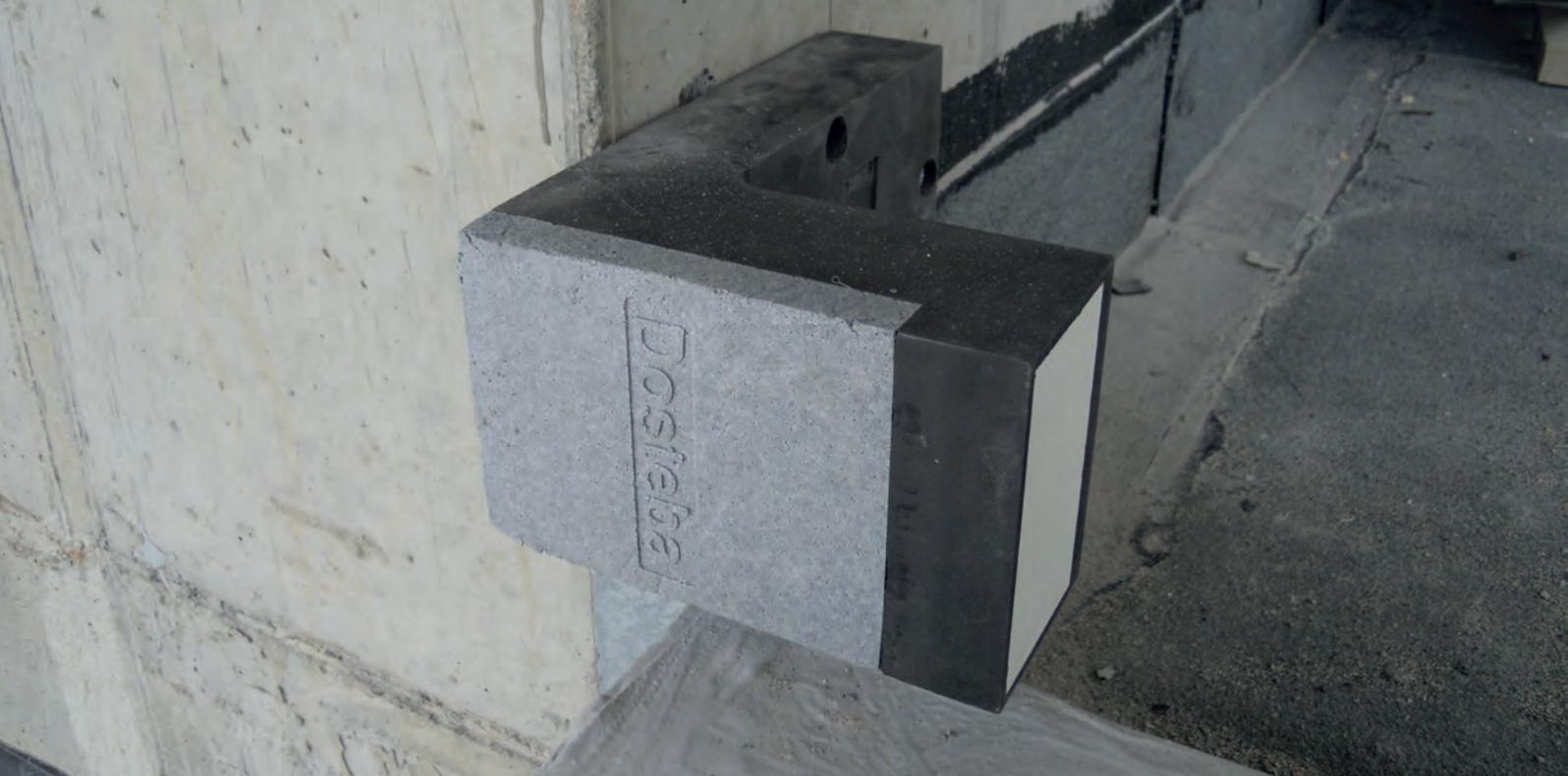
The recommended partial safety factors of the resistance of the ultimate limit state (GZT), an influencing factor of exposure time=1.20, and a partial safety factor of exposure  $\gamma_f=1.40$  are taken into account.

	TRA-WIK®-ALU-RF	TRA-WIK®-ALU-RL
$F_{V,zul}$	0.45 - 1.65	0.53 - 2.60
$F_{ZL,zul}$	1.30 - 1.65	0.95 - 1.10
$F_{DL,zul}$	2.05 - 3.50	1.70 - 2.05
$F_{ZA,zul}$	0.58 - 2.70	0.70 - 4.70
$F_{DA,zul}$	0.56 - 2.35	0.59 - 3.00

$F_{V,zul}$ kN	Permitted transverse force on fixation element	$F_{ZA,zul}$ kN	Permitted axial tensile force on fixation element
$F_{ZL,zul}$ kN	Permitted lateral tensile force on fixation element	$F_{DA,zul}$ kN	Permitted axial tensile force on fixation element
$F_{DL,zul}$ kN	Permitted lateral compressive stress on fixation element		

Further information and explanations can be found in the current technical documentation. For safety-relevant loads, the provisions of the general building supervisory approval Z-10.9-648 and ETA-20 / 0123 apply.





## Supporting bracket TRA-WIK®-ALU-RF / -RL

### The problem

Infiltrations in thermal insulation composite systems constitute an increased risk for water entering or the formation of condensate water and mould.

### The solution

With the supporting brackets TRA-WIK®-ALU-RF / -RL these high demands can be certainly met. Pulley blocks and hand railings can be securely attached with a power-grip to the supporting brackets TRA-WIK®-ALU-RF / -RL.

### Your benefit

Supporting brackets TRA-WIK®-ALU-RF / -RL are further developed and improved fixation elements which have proven effective for years. Installation is easy and requires no special tools.

### Your advantages

- ✓ No thermal bridges
- ✓ No water infiltration
- ✓ No damages
- ✓ Power-grip assembly for middle loads
- ✓ Proven and cost-effective system

### The product

Supporting brackets TRA-WIK®-ALU-RF / -RL are made of black-coloured, rot-resistant CFC-free PU rigid foam (polyurethane) with a foamed steel sheet panel for the non-positive screw attachment with the anchorage, an aluminium plate for screwing the attachment part and a compact plate (HPL), which ensures optimum distribution of pressure on the surface.

#### Dimensions

- Base surface: 280 x 125 mm
- Types: 80 – 300 mm
- Useable surface area: 97 x 45 mm
- Hole distance: 100 x 100 mm
- Volumetric weight PU: 350 kg/m<sup>3</sup>

#### Test certificates / Assessments



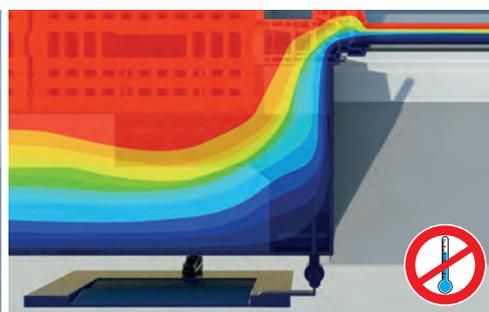
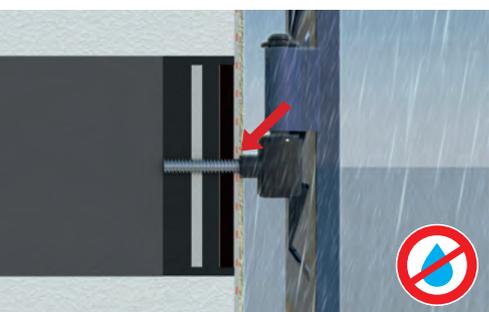
European Technical Assessment  
ETA-20 / 0123



National technical approval  
AbZ Z-10.9-648



Mechanical tests  
Report no. 5214016860



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