



**Supporting bracket TRA-WIK®-PU**

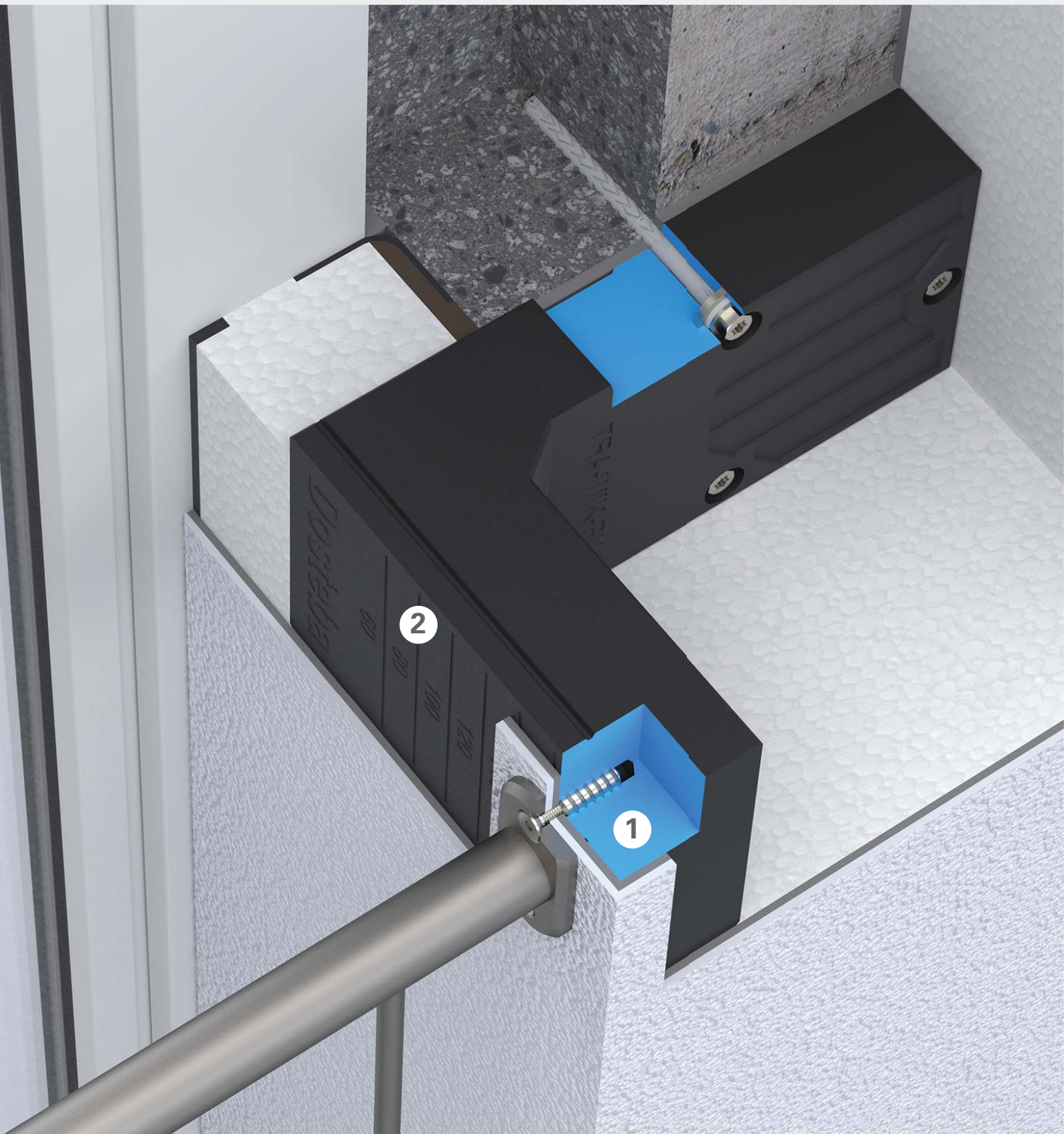


# Dosteba

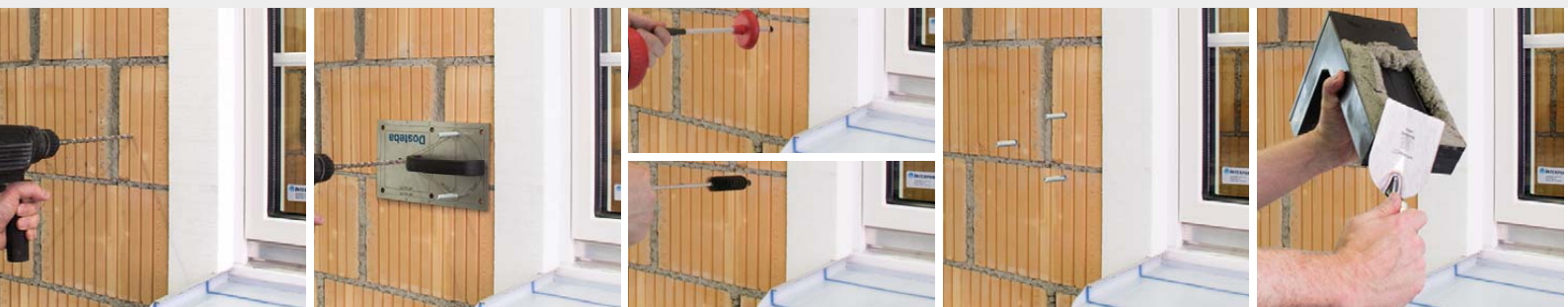
*Elemente sind  
Elements are  
unsere Stärke  
our strength*

# Supporting bracket TRA-WIK®-PU

Thermal bridge-free fixation in thermal insulation composite systems

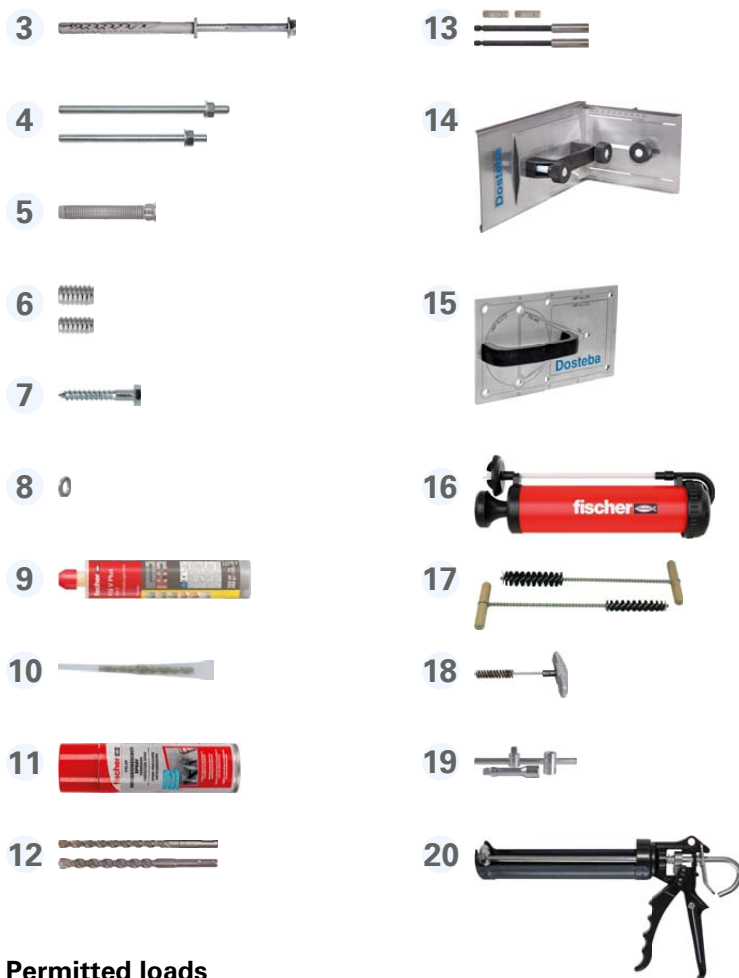


## Assembly





## Fastening material, tools and loads



### Permitted loads

The recommended partial safety factors of the resistance of the ultimate limit state (GZT), an influencing factor of exposure time=1.16, and a partial safety factor of exposure  $\gamma_F=1.40$  are taken into account. Distance of the attachment part to the installation surface max. 20 mm.

|              | TRA-WIK®-PU (façade) | TRA-WIK®-PU (reveal) |
|--------------|----------------------|----------------------|
| $F_{V,zul}$  | 1.15 - 1.80          | 1.15 - 1.65          |
| $F_{ZL,zul}$ | 1.40 - 1.80          | 1.15 - 1.40          |
| $F_{DL,zul}$ | 4.70 - 5.30          | 1.75 - 1.85          |
| $F_{ZA,zul}$ | 0.95 - 1.30          | 1.45 - 2.90          |
| $F_{DA,zul}$ | 1.10 - 1.35          | 1.70 - 4.45          |

|                 |  |                 |   |
|-----------------|--|-----------------|---|
| $F_{V,zul}$ 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 European Technical Assessment ETA-21/0723 apply.

- 1 PU foam with a volumetric weight of 550 kg/m<sup>3</sup>
- 2 Pitch 20 mm
- 3 Screw-plug SXRL 10 x 120 FUS
- 4 Injection-threaded rod  
- FIS A M8 x 150 (for masonry)  
- FIS A M8 x 130 (for concrete)
- 5 Injection-anchor sleeve  
FIS H 12 x 85 K
- 6 Screw-in sleeves RAMPA  
SK M8 x 30 or SK M10 x 30
- 7 Hex head wood screw  
Ø 10 x 70 mm
- 8 Washer 10.5 x 18 x 1.6 mm
- 9 Injection-mortar FIS V Plus 300 T
- 10 Static mixer FIS S
- 11 Corrosion protection spray  
FTC-CP
- 12 Hard metal-hammer drill  
- Ø10 mm, drill length 210 mm  
- Ø12 mm, drill length 210 mm
- 13 Tool set comprising:  
- 2 Coupling shafts 150 mm  
- 2 Bits Torx T40
- 14 Setting gauge
- 15 Drilling gauge  
UMP® / TRA-WIK® / TWL®
- 16 Ejector pistol ABG
- 17 Set of brushes FIS, Ø14 / 20 mm
- 18 Cleaning brush BS, Ø10 mm / M8
- 19 Tool set comprising:  
- 1 Extension 75 mm  
- 1 Cross-grip  
- 1 Six-point socket Ø 13
- 20 Cartridge press





## Supporting bracket TRA-WIK®-PU

### 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®-PU 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®-PU.

### Your benefit

Supporting brackets TRA-WIK®-PU are made of PU without foamed-in inserts. They can be sawn to the desired thickness simply and easily. The 20 mm pitch pattern specifies the saw groove. The screw connection is made with a RAMPA screw-in sleeve or a wood screw. A setting gauge is available as an assembly aid.

### Your advantages

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

### The product

Supporting brackets TRA-WIK®-PU are made of PU rigid foam (polyurethane) with three embedded washers. Supporting brackets TRA-WIK®-PU are suitable for thermal bridge-free mounting in thermal insulation composite systems, rear-ventilated façades, interior insulations etc.

#### Dimensions

- Base surface: 280 x 125 mm
- Types: 60 - 300 mm
- Hole distance: 100 x 100 mm
- Volumetric weight PU: 550 kg/m<sup>3</sup>

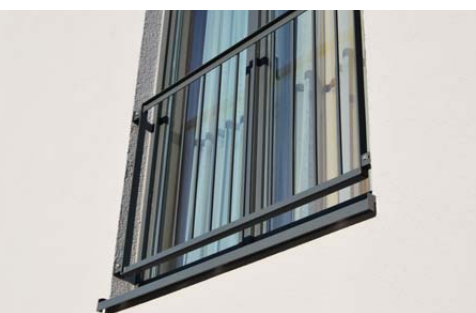
#### Mechanical fixation

- Screw-plug SXRL 10 x 120 FUS
- Injection-threaded rod FIS A M8 x 150 with injection-anchor sleeve FIS H 12 x 85 K
- Injection-threaded rod FIS A M8 x 130

#### Test certificates / Assessments



European Technical Assessment  
ETA-21 / 0723



### Dosteba AG

CH-8184 Bachenbülach  
Phone: +41 43 277 66 00

### Dosteba GmbH

D-72770 Reutlingen  
Phone: +49 7121 30177 10