
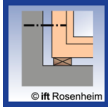





# ift-Installation Passport

<b>Number</b>	201810000091	
<b>Issued by (User)</b>	ift Rosenheim Kilian Kneidl Theodor-Gietl-Str. 7 83026 Rosenheim	
<b>Construction project</b>	Testproject 83024 Rosenheim	
<b>Wall</b>	Wall structure: External wall with ETICS Manufacturer: Vertically perforated brick cross-brand Product: Vertically perforated brick; DFK $\geq$ 6; $\lambda=0.070$ Manufacturer lintel: Solid brick cross-brand Product: Solid brick lintel Plaster internal: Insulating plaster $\lambda=0.060$ Plaster external: Insulating plaster $\lambda=0.060$ Insulation: EPS $\lambda=0.060$	
<b>Profile system</b>	Manufacturer: VEKA AG Product: VEKA Softline 82 MD Frame Colour: White / bright	
<b>Glazing</b>	Structure: 24 mm Glas, 4-16-4	
<b>Fastening</b>	Manufacturer: Customary fastening Fastener lateral: Customary window installation bracket Fastener at top: Customary window installation bracket Fastener at bottom: Customary window installation bracket	
<b>Sealing / Insulation</b>	Manufacturer: Customary sealing Product internal: Multifunctional sealing tape Product center: Multifunctional sealing tape Product external: Multifunctional sealing tape	
<b>Result</b>		
<b>Minimum thermal insulation according to DIN 4108-2</b>	$f_{Rsi} \geq 0,7$ Fulfilled, see section 2	
<b>Window fastening</b>	<b>Special case 1</b> Structural calculation carried out, selection of appropriate fasteners required (see section 3)	
<b>Statements</b>	The described wall connection is planned according to the basics, as described e.g. in "RAL Installation Guideline", and has sufficient safety regarding the risk of condensation and mould formation according to DIN 4108-2.	

## Basis

ift-Montageplaner  
Version 1.04

Guideline for planning and construction of assembly of windows and doors for new buildings and renovation  
RAL Quality Assurance Association: Windows and Doors

ift-Certification Scheme for supporting wall connection systems according to ift-Guidelines MO-01 and MO-02 (QM 360)

## Instructions for use

The ift-Installation Passport is generated electronically by the user and documents the professional building-physical planning of the wall connection by the user.

The national official regulations as well as the contractual obligations have to be considered when using the ift-Installation Passport.

The executing company is solely responsible for securing the professional implementation of the assembly; a proper factory assembly control has to be set up on its own responsibility.

## Date of report

07.08.2018



## 1) Planning of wall connection (lateral)

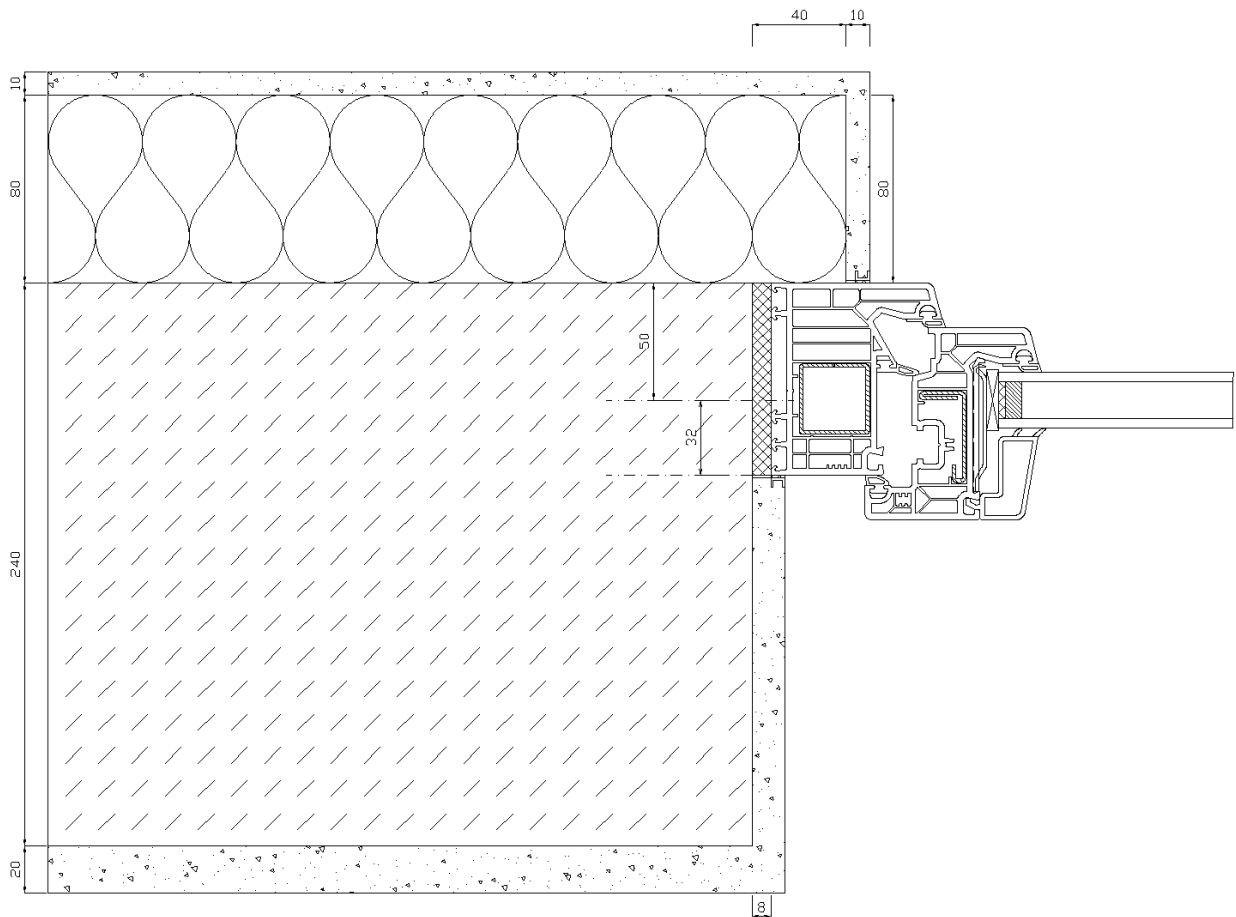
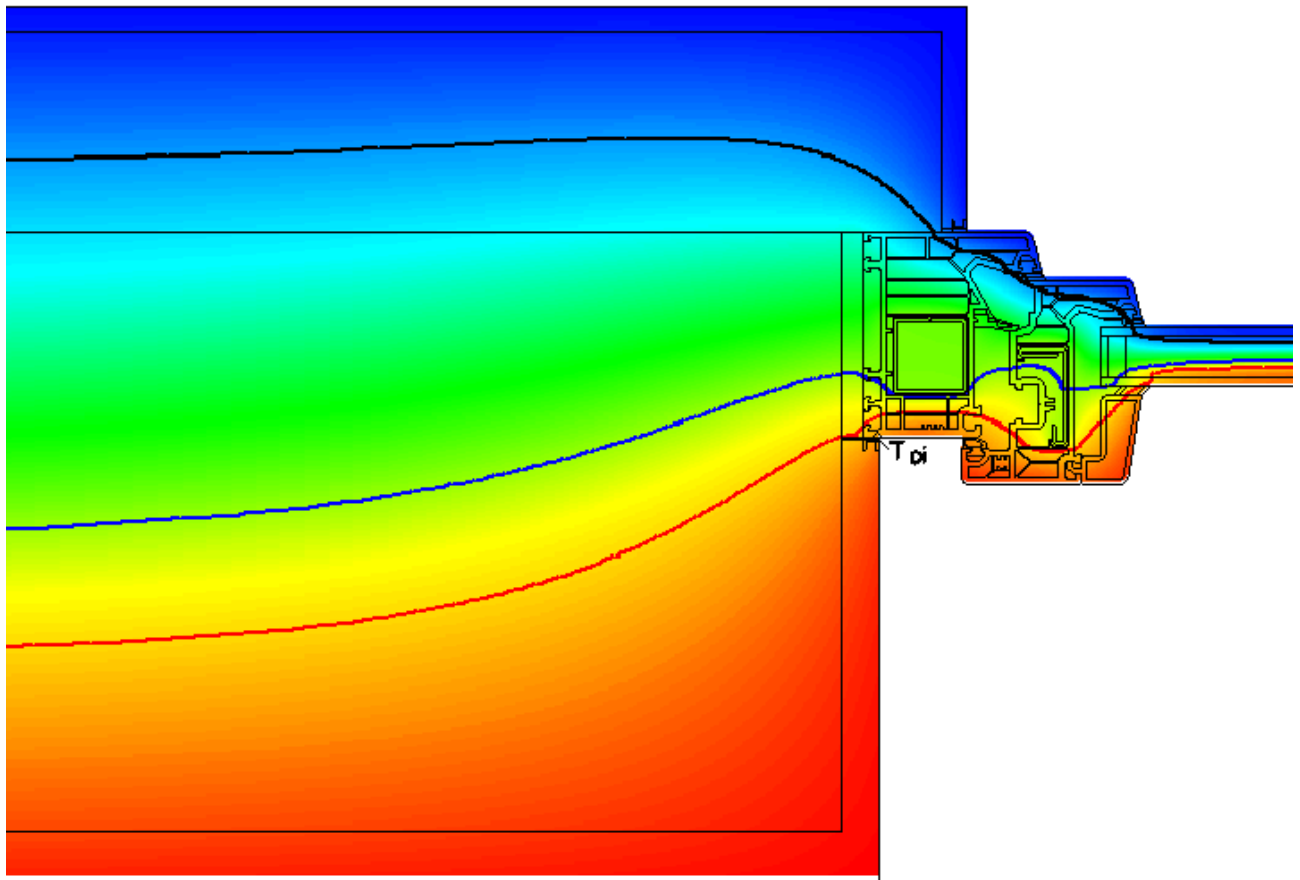


Image 1 lateral attachment

### Sealing products / Insulation products

- Product internal: Multifunctional sealing tape
- Product center: Multifunctional sealing tape
- Product external: Multifunctional sealing tape

## 2) Calculation of minimum thermal insulation



**Image 2** Details of isothermal line of lateral connection

### Key

$T_{oi}$ :	Internal surface temperature
Black line:	0 °C isotherm
Blue line:	10 °C isotherm
Red line:	13 °C isotherm

### Boundary parameters

-5 °C	External
20 °C	Internal

### Result

$f_{Rsi}$	0.78
$T_{oi}$	14.5 °C

### 3) Window fastening

3.1 Definition by cases: Your window is a special case 1

Load-bearing capacity of masonry:

Glass weight per unit area: 20.00 kg/m<sup>2</sup>

#### 3.2 Planning Fastening

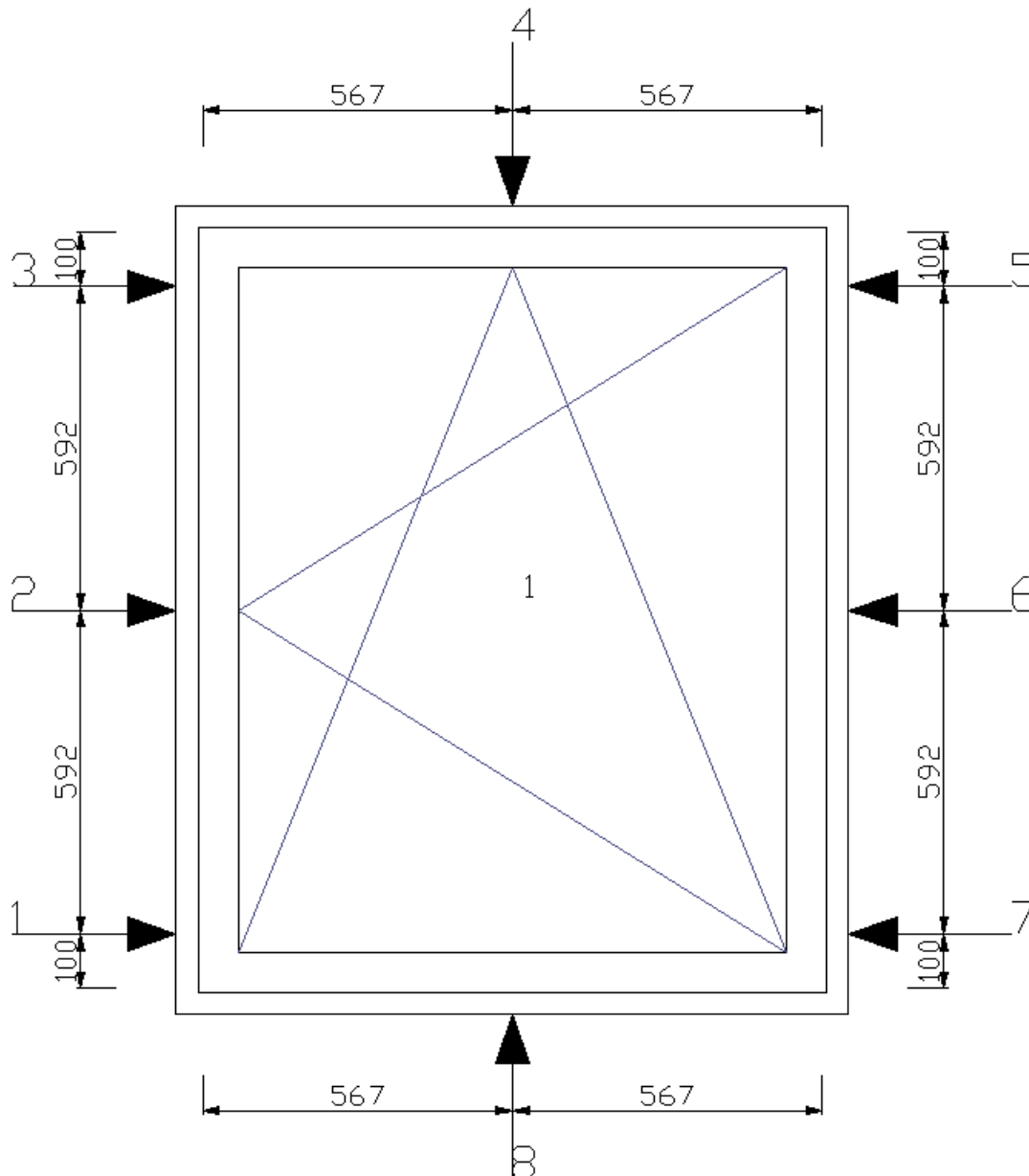


Image 3 Distribution of fastening points



### 3.3 Supporting loads at the fastening points

Position	Fastener	F <sub>BP</sub> in kN	H in kN	V in kN
1	Customary window installation bracket	0.20	-	-
2	Customary window installation bracket	0.20	-	-
3	Customary window installation bracket	0.20	-	-
4	Customary window installation bracket	0.20	-	-
5	Customary window installation bracket	0.20	0.20	-
6	Customary window installation bracket	0.20	-	-
7	Customary window installation bracket	0.20	0.20	-
8	Customary window installation bracket	0.20	-	-

#### Boundary parameters

Design wind load:	0.88 (kN/m <sup>2</sup> )
Resistance to wind load:	B3
Vertical imposed loads:	Without
Additional loads:	0 kg
Casement 1:	Dimensions 1150 x 1400 mm; Weight 48.42 kg
Element:	Surface 1.82 m <sup>2</sup> ; Weight 68.32 kg