



COMPOR

Adjustable **WINDOW INSTALLATION SYSTEM**

(fastened behind the wall construction)

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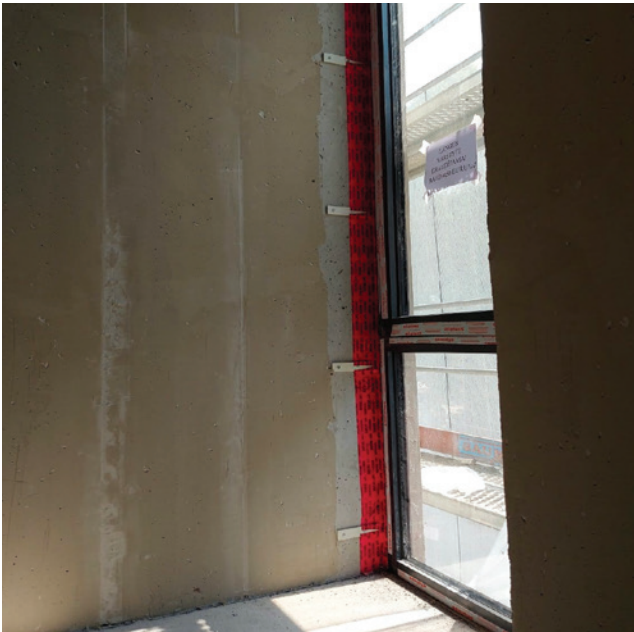


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WINDOW INSTALLATION SYSTEM AND ITS ADVANTAGES +

The installation system ensures the accurate positioning of window and door openings, and removal of all permanent and variable loads.

The system is adjustable in three planes, easily compensating for structural assembly tolerances. The mounting bracket size is up to 150 mm, and it can be positioned according to the optimal isothermal profile.



Advantageous Solution

- + Easily adjustable in three planes
- + Easily compensated for assembly tolerances
- + Easy, fast and safe installation even for large (and heavy) windows and doors
- + Individually customised dimensions
- + Increased load capacity without the use of expensive additional support members
- + Durable construction that eliminates problems during installation



Highest Quality

- + Calculated load capacity and safety statics (see data sheet)
- + Safe installation of windows is expected
- + Suitable for all workloads
- + A comprehensive system supplied by one manufacturer
- + Easy and safe installation according to RAL Regulations / ift Rosenheim (Germany)



Structural Physics

- + Material with low temperature resistance
- + The compaction process is not hindered
- + Enough space for insulation and sealing material



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STRUCTURAL DEFECTS ARISING FROM DESIGN OR INSTALLATION ERRORS



Condensation problems?

When the warm air cools down too quickly inside the window, condensation forms.
Proper window placement calculations avoid this.

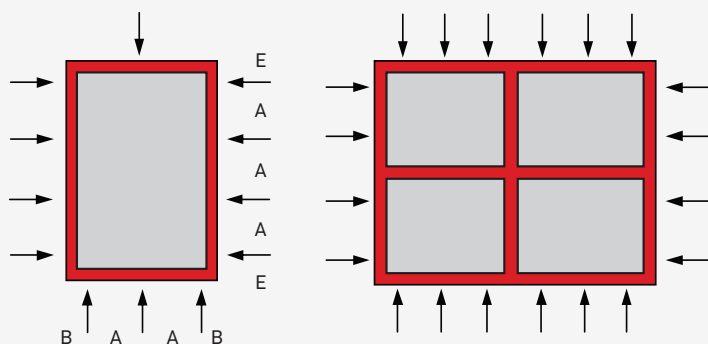


Mould is harmful to your health!

Mould indicates design (incorrectly calculated isothermal profile) or installation errors.



DETERMINING THE FRAME FIXING POSITION



A Mounting Bracket Spacing

- aluminum windows: max. 800 mm
- wooden windows: max. 800 mm
- PVC windows: max. 700 mm

B Outside Corner Gap

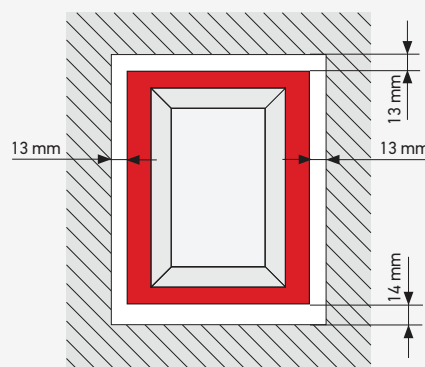
50 - 70 mm from the outside corner of the window frame

E Inside Corner Gap

Distance from the inside corner of the window frame to the vertical and horizontal bars of the window, B A A B
100 - 150 mm

TOLERANCE

Minimum distance
Frame opening



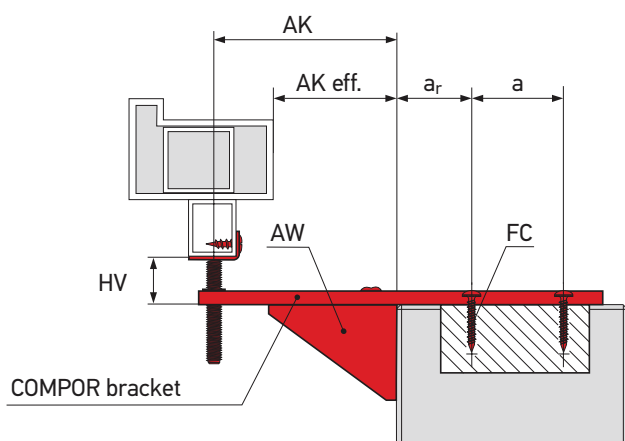
Maximum distance /
gap width 25 mm



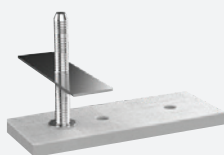
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PRE-ASSEMBLY OF BRACKETS ON THE WINDOW SILL (pre-installed without window)

Structure:
Sand-lime Bricks, Concrete



Brackets with adjustment plate Pre-assembled with mounting plate



Bracket
(without seat angle)
138/10 mm



Bracket
(without seat angle)
188/10 mm



Bracket
(without seat angle)
253/10 mm

Adjustable angle brackets



Bracket (without seat angle)
138/10 mm



Bracket (without seat angle)
188/10 mm



Bracket (with seat angle)
188/10 mm



Bracket (with seat angle)
253/10 mm



Bracket (with seat angle)
280/10 mm

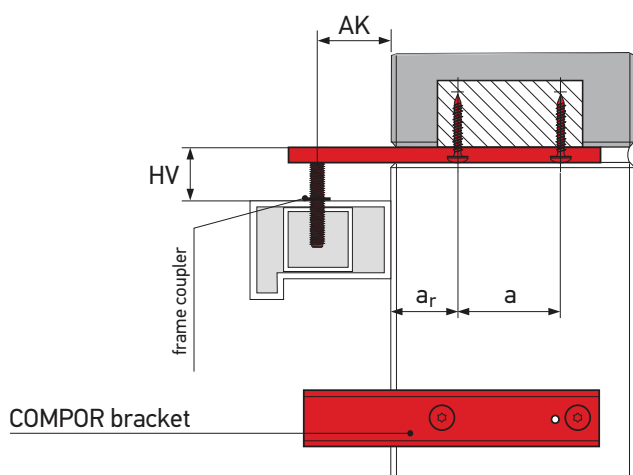


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PRE-ASSEMBLY OF BRACKETS ON THE FRAME CASING AND HEAD (after window manufacturing or on site)

Structure: **Perforated Masonry Wall,
Sand-lime Bricks, Concrete**

Dimensions and names



AK max. bracket (relative to the average frame profile)

AK useful console (depending on profile width)

HV height adjustment, max. 30 mm

a distance between centres, min. 25 mm
(applies to SFS mounts)

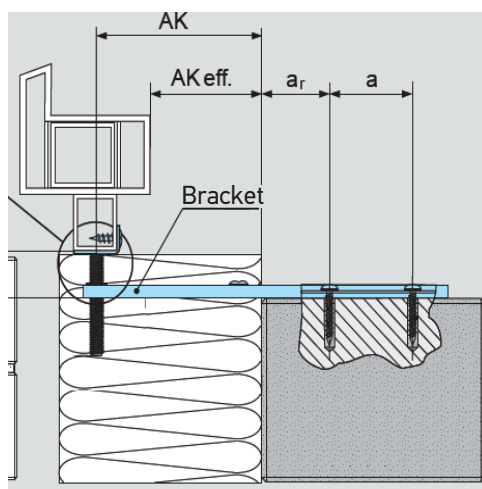
a_r distance between edges, min. 30 mm
(applies to SFS mounts)

AW seat angle, for brackets above 80 mm

ALW seat angle, for perforated masonry structure

ALW height-adjustable angle

ALW height adjustment plate



Load capacity, N (plate thickness 10 mm)

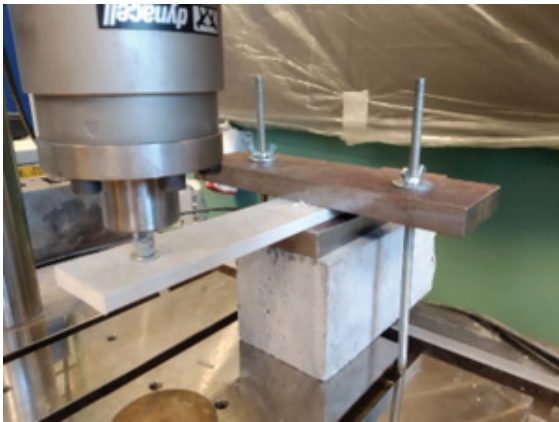
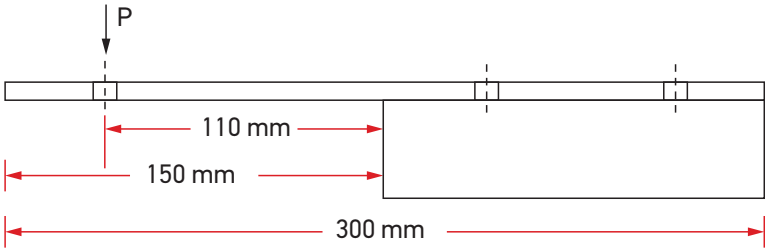
b (mm) \ AK (mm)	70	80	90	100	110	120	130	140	150
40	2857	2500	2222	2000	1818	1667	1538	1429	1333
50	3571	3125	2778	2500	2273	2083	1923	1786	1667
60	4286	3750	3333	3000	2727	2500	2308	2143	2000
70	5000	4375	3889	3500	3182	2917	2692	2500	2333
80	5714	5000	4444	4000	3636	3333	3077	2857	2667
90	6429	5625	5000	4500	4091	3750	3462	3214	3000



PRE-ASSEMBLY OF BRACKETS ON THE FRAME CASING AND HEAD (after window manufacturing or on site)

Load capacity, N (plate thickness 8 mm)									
b (mm) \ AK (mm)	70	80	90	100	110	120	130	140	150
40	1829	1600	1422	1280	1164	1067	985	914	853
50	2286	2000	1778	1600	1455	1333	1231	1143	1067
60	2743	2400	2133	1920	1745	1600	1477	1371	1280
70	3200	2800	2489	2240	2036	1867	1723	1600	1493
80	3657	3200	2844	2560	2327	2133	1969	1829	1707
90	4114	3600	3200	2880	2618	2400	2215	2057	1920

Load capacity, N (plate thickness 6 mm)										
b (mm) \ AK (mm)	70	80	90	100	110	120	130	140	150	
40	1029	900	800	720	655	600	554	514	480	
50	1286	1125	1000	900	818	750	692	643	600	
60	1543	1350	1200	1080	982	900	831	771	720	
70	1800	1575	1400	1260	1145	1050	969	900	840	
80	2057	1800	1600	1440	1309	1200	1108	1029	960	
90	2314	2025	1800	1620	1473	1350	1246	1157	1080	



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