

Summary of Installation Methods for Plastic Windows in a Building with Installation Instructions

1. The instructions specifically focus on the selection of materials for installation and methods of connection to the building structure.

Figure 01:

Distances between anchoring points for plastic profiles

- White acrylic film-coated
- Dimensions for window case interior angles

* max. 700 max. 700 max. 700 max. 700

* It is recommended to based on the walling material

reduce the distance strength index.

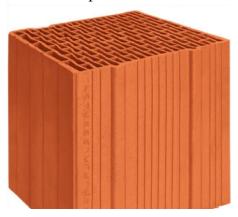
between screws



max. 700	max. 700
ca. 150	approx. 150

2. However, the emphasis is upon mounting/installation <u>in</u> the wall aperture, and in this case, in particular, including meshed brick, i.e. unfired hollow brick of various designs.

Figure 02: Meshed brick wall aperture





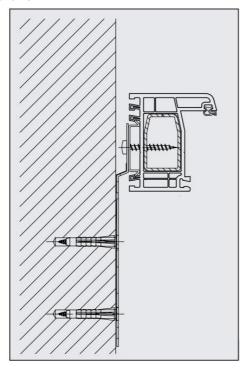
Before the installation please note that hollow brick is used!

3. The same selection rule for fasteners applies to WDF suspended facades. In this case, mounting anchors approved by building supervision authorities should be used, which must be rigidly case fixed on the inside.



Figure 03:

Wall anchor





4. When installing the case in the hollow brick, preference should be given to tubular sheet metal or plastic expansion anchors.

For the self-tapping screws pre-drilling with a significantly smaller diameter is <u>required</u> (the screw manufacturer's instructions must be observed).

Figure 04: Metal anchor for case fixing

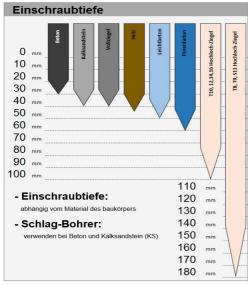


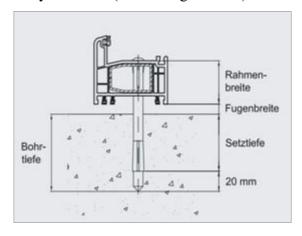


Figure 05:

Anchor for case fixing

The screw manufacturer's instructions must be strictly observed (case fixing anchors)!





Beton	Concrete	
Kalksandstein	Lime-and-sand brick	
Vollziegel	Solid brick	
Holz	Timber	
Leichtbeton	Light concrete	
Porenbeton	Aerated concrete	
T10, 12, 14, 16 Hochloch-Ziegel	T10, 12, 14, 16 Hollow brick	
T8, T9, S11 Hochloch-Ziegel	T8, T9, S11 Hollow brick	
mm	mm	
Einschraubtiefe:	Depth of engagement:	
abhängig von Material des baukörpers	based on the building structure material	
Schlag-Bohrer:	Pneumatic hammer:	
verwenden bei Beton und Kalksandstein (KS)	used for concrete and lime-and-sand brick (LSB)	
Rahmenbreite	Sectional width of case	
Fugenbreite	Seam thickness	
Bohrtiefe	Hole depth	



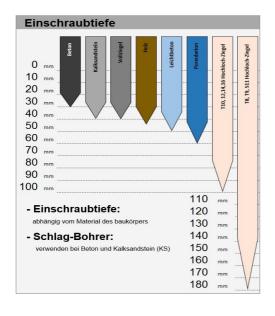
5. In all cases, required screw length and hole depth must be observed.

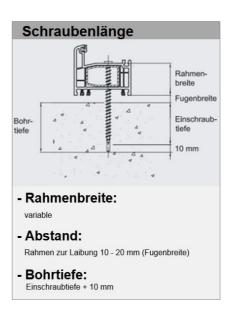
Do not drive self-tapping screws into the wall without pre-drilling (with or without a "tap"). If this happens inadvertently or deliberately, be sure to replace with a larger diameter screw.

Figure 06:

Depth of engagement

The manufacturer's instructions must be strictly observed (self-tapping screws)!



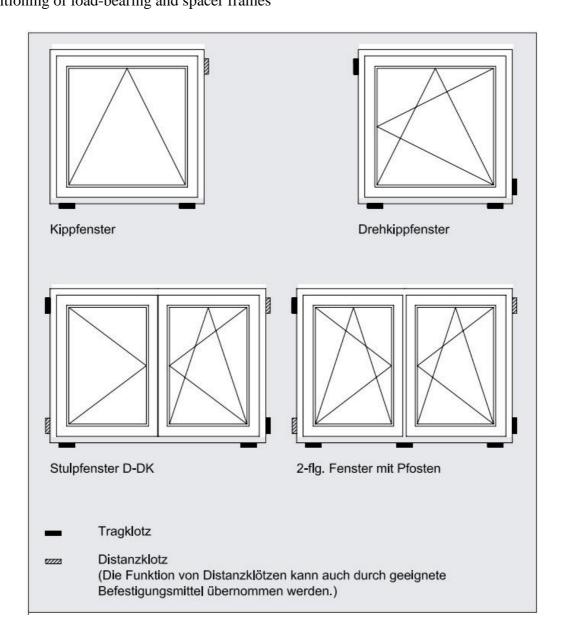


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mm	mm
Einschraubtiefe	Depth of engagement
Schraublänge	Screw length
Rahmenbreite	Sectional width of case
Fugenbreite	Seam thickness
Bohrtiefe	Hole depth



6. General guidelines

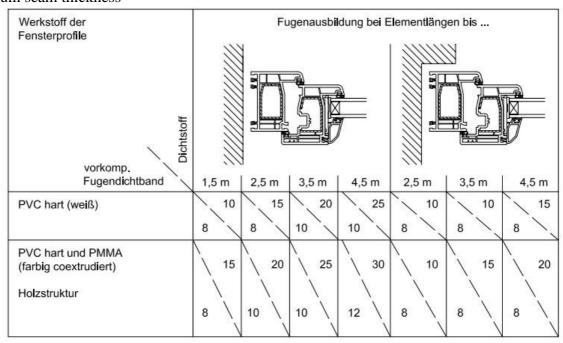
Figure 07: Positioning of load-bearing and spacer frames



Kippfenster	Bottom-hinged sash window
Drehkippfenster	Turn and tilt (universal) sash window



Figure 08: Minimum seam thickness



Temperaturbedingte Längenänderungen der Profile:

PVC hart (weiß): 1,6 mm/m PVC hart und PMMA (farbig): 2,4 mm/m

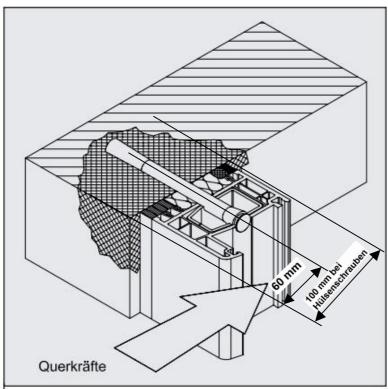
Werkstoff der Fensterprofile	Window profile material
Fugenausbildung bei Elementlängen bis	Formation of seams for element length of up to
Dichtstoff	Sealant
vorkomp.[vorkomprimiertes] Fugendichtband	Pre-compressed sealing tape
m	m
PVC hart (weiβ)	Rigid polyvinylchloride (PVC) (white)
PVC hart und PMMA (farbig coextrudiert)	Rigid PVC and polymethylmethacrylate (PMMA) (coloured, coextruded)
Holzstruktur	Wooden structure
Temperaturbedingte Längenänderungen der Profile:	Change in profile length based on temperature:
PVC hart und PMMA (farbig)	Rigid PVC and polymethylmethacrylate (PMMA) (coloured)
mm/m	mm/m



Figure 09:

Observe the minimum distance to the wall.

Broken concrete/brick with too small distances from the edge.



Querkräfte	Transverse forces
60 mm	60 mm
100 mm bei Hülsenschrauben	100 mm for screws



7. These guidelines serve as important backup information to avoid errors of principle during installation.

8.

As a window maker ARUHAUS bears no liability for installation works by the customer.

ARUHAUS bears no liability for damage to windows on site.