

PRODUCT DATA SHEET

ISO-TOP WF FIXINGS



PRODUCT DESCRIPTION

High-quality screws and brackets are used for additional mechanical fixing of IN FRONT OF WALL INSTALLATION SYSTEMS ISO-TOP WINFRAMER. Window and door frames need to be mechanically fixed to the supporting frame system for in front of wall installation. The supporting frame system in turn also has to be screwed to the wall. The screws are specifically matched to the in front of wall installation system to guarantee quick and simple fitting.

APPLICATION

Once the supporting frame system has been bonded along its length to the relevant substrate (such as concrete, sand lime stone, brick, aircrete or wood) using ISO-TOP FLEX-ADHESIVE WF, it is then also fixed mechanically with the window screws described in this data sheet.

Additional fixing as described in the ETB guideline may also be needed for floor-level components. The IN FRONT OF WALL INSTALLATION SYSTEMS ISO-TOP WINFRAMER provide a number of different fixing methods for this purpose.

ISO-TOP WINFRAMER ALUMINIUM CONSOLES can be used at the installation stage as the basis for fixing in the system profile as described in the ETB guideline. The ISO-TOP ETB TIE PLATE EL and ISO-TOP JUSTA ETB ANCHOR BA can be used to create an ETB-compliant fixing on the inside of the window reveal either during or after installation. So the right fixing components are available for every application.

PRODUCT ADVANTAGES

- designed and approved for fixing in IN FRONT OF WALL INSTALLATION SYSTEMS ISO-TOP WINFRAMER
- approved for use on standard building substrates
- screw head shape designed specifically for high-density PUR and EPS systems

The ISO-TOP WF SCREWS were specially designed for the IN FRONT OF WALL INSTALLATION SYSTEM ISO-TOP WINFRAMER and can be used both to fix the window or door frame in the supporting frame system and for fixing to standard building substrates. The following table sets out the various screw type and lengths.

The installation instructions of ISO-TOP WINFRAMER provide information on using and fitting the ISO-TOP WF FIXINGS.

ISO-TOP WF FIXINGS

Component	Description	Size	Special features	Fixing
ISO-TOP WINFRAMER ALUMINIUM CONSOLES 	For inserting into the console slots of the „TYPE 3“ and in the fold area of the „TYPE 1“	98x50 mm; Thickness: 4 mm; for all overhangs of the „TYPE 1“ and „TYPE 3“	Easy to integrate during installation and can be subsequently fixed to existing attachment points as per the ETB guideline	ETB-compliant
ISO-TOP ETB TIE PLATE EL 	For simple fitting or retrofitting of fixings as per the ETB guideline	200 x 2.5 mm and 250 x 2.5 mm	Can be subsequently fixed to existing attachment points as per the ETB guideline	ETB-compliant
ISO-TOP JUSTA ETB ANCHOR BA 	For simple levelling and aligning of components as per the ETB guideline	140 x 50 mm and 250 x 50 mm; Screw length: 50 mm	Adjustment, load transfer and functional aligning using adjusting screws	ETB-compliant
ISO-TOP JUSTA TT BEARER PLATE 	For load transfer and lateral fixing of components	Diameter: 38 mm; Screw length: 50 mm	Adjustment, load transfer and functional aligning using adjusting screws	-
ISO-TOP ADJUSTING TOOL 	adjustment tool for JUSTA ETB ANCHOR BA and JUSTA TT BEARER PLATE	Length: 185 mm	Mechanical ratcheting function for adjusting the window position when installed	-

ISO-TOP WF SCREWS

Strength class		FKL C20/25	FKL 12	FKL T10	FKL PP2	FKL ≥ C24
Wall material	Window in the frame	Concrete	Sand lime stone	Brick / Poroton	Aircrete	Wood

ISO-TOP WINFRAMER „TYPE 1“, „TYPE 1“ PREFAB, „TYPE 1“ E30 and „TYPE 2“

80/80 to 140/90	FB-FK-T30 7.5x132	FB-SK-T30 7.5x82	FB-SK-T30 7.5x82	FB-SK-T30 7.5x252	FB-SK-T30 7.5x212	FB-SK-T30 7.5x82
150/110 to 200/110	FB-FK-T30 7.5x132	FB-SK-T30 7.5x102	FB-SK-T30 7.5x102	FB-SK-T30 7.5x300	FB-SK-T30 7.5x212	FB-SK-T30 7.5x102

ISO-TOP WINFRAMER „TYPE 3“

70/80	FB-FK-T30 7.5x132	FB-FK-T30 7.5x112	FB-FK-T30 7.5x112	FB-FK-T30 7.5x350	FB-FK-T30 7.5x252	FB-FK-T30 7.5x112
80/80	FB-FK-T30 7.5x132	FB-FK-T30 7.5x122	FB-FK-T30 7.5x122	FB-FK-T30 7.5x350	FB-FK-T30 7.5x252	FB-FK-T30 7.5x122
100/80	FB-FK-T30 7.5x132	FB-FK-T30 7.5x152	FB-FK-T30 7.5x152	FB-FK-T30 7.5x350	FB-FK-T30 7.5x300	FB-FK-T30 7.5x152
120/80 and 140/80	FB-FK-T30 7.5x132	FB-FK-T30 7.5x182	FB-FK-T30 7.5x182	FB-FK-T30 7.5x400	FB-FK-T30 7.5x300	FB-FK-T30 7.5x182
160/80	FB-FK-T30 7.5x132	FB-FK-T30 7.5x212	FB-FK-T30 7.5x212	FB-FK-T30 7.5x400	FB-FK-T30 7.5x350	FB-FK-T30 7.5x212
180/80	FB-FK-T30 7.5x132	FB-FK-T30 7.5x252	FB-FK-T30 7.5x252	FB-FK-T30 7.5x400	FB-FK-T30 7.5x350	FB-FK-T30 7.5x252
200/80	FB-FK-T30 7.5x132	FB-FK-T30 7.5x252	FB-FK-T30 7.5x252	FB-FK-T30 7.5x400	FB-FK-T30 7.5x400	FB-FK-T30 7.5x252

FB = window screw, FK = flat-head, SK = countersunk, T30 = Torx size / bit size, FKL = strength class



Flat-head



Countersunk

Minimum edge distances (mm) ISO-TOP WF SCREWS			
Wall material	TYP / Class	in reveal	on outer wall
Concrete	C 20 / 25	60	60
Sand-lime brick	FKL 12 / 20	60	60
Brick	T 10 / 12	100	60*
Aerated concrete	PP4	80	60*
Wood	≥ C24	40	40

* in use with adhesive system.

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