

PRODUCT DATA SHEET

IN FRONT OF WALL INSTALLATION

SYSTEM ISO-TOP WINFRAMER „TYPE 1“ E30



PRODUCT DESCRIPTION

The IN FRONT OF WALL INSTALLATION SYSTEM ISO-TOP WINFRAMER „TYPE 1“ E30 makes it possible to position and fit windows within the insulation plane. It comprises a thermally insulating and load-bearing system angle made of PURATHERM E30. The intumescent effect of the new PURATHERM E30 material makes the ISO-TOP WINFRAMER „TYPE 1“ E30 especially suitable for use in fire protection façades. ISO-TOP WINFRAMER SYSTEM BOARDS E30 are also available for applications where the window is only partially overhanging. These can be combined with the system brackets to achieve greater overhangs. ISO-TOP WINFRAMER SYSTEM BRACKETS „TYPE 1“ E30 AND SYSTEM BOARDS E30 are prefabricated in many different formats and can be cut to length on site using a mitre saw. Attached to the masonry is by means of ISO-TOP FLEX-ADHESIVE WF and additional mechanical fixings using screws (see ISO-TOP WF FIXINGS).

APPLICATION

The system brackets and system boards are suitable for use where special fire protection requirements are in place for bearing the loads of windows, balcony and patio doors and they provide an optimum base for sealing window connection joints. The window and door elements are attached directly and mechanically to the supporting frame system. This is possible both with classic screw fixings through the window frame, or

PRODUCT ADVANTAGES

- windows can be fitted into the thermal insulation level
- extensive individual tests by testing institutes**
- E30 according to EN 1366-4
- with expansion effect when heated
- simple adjustment of length using standard mitre saws
- reduction of structure-related thermal bridges
- simple installation thanks to the convenient insertion system
- complies with the requirements of the Building Energy Act and the recommendations of the RAL "installation guide"
- can be combined with the system products of the ISO³-WINDOW SEALING SYSTEM
- 10 Year Function Warranty*

* On the conditions of the manufacturer (available on request).

** In front of wall installation systems are currently not subject to any regulation by the DIBt. Approvals such as aBG or abZ must therefore be covered by individual tests. Details on approval as in front of wall installation system for building projects must be obtained individually from the responsible planning office.

with extended metal lug fixings. The in front of wall installation system is then covered by an External Wall Insulation system made of mineral wool or EPS-F.



IN FRONT OF WALL INSTALLATION SYSTEM ISO-TOP WINFRAMER „TYPE 1“ E30

Technical data	Standard	Classification
ISO-TOP WINFRAMER SYSTEM BRACKETS „TYPE 1“ E30 and SYSTEM BOARDS E30:		
Material description		PURATHERM E30 (intumescent PUR composite)
Colour		beige
Building material class	DIN EN 13501-1	E / C-s3, d0 (fire resistant)
UV stability		6 months direct weathering during the construction phase
European technical assessment (PURATHERM E30)	EAD 04019-00-1201	ETA-19/0199
Fire resistance period	DIN EN 13501-2	EI 15 and E30
Thermal conductivity	DIN EN 12667	$\lambda = 0.096 \text{ W / (m} \cdot \text{K)}$
Sound insulation / evaluated joint sound reduction index	EN ISO 10140-1 / 10140-2	$R_{s,w} (C; C_{tr}) = 53 (0; -1) \text{ dB}$
Temperature resistance		-50°C to +100°C
Ageing resistance		resistant to rotting, non-rotting
Humidity resistance		high humidity resistance / resistant to mould and termites
Dimensional stability		high dimensional stability even with natural weathering
Load transfer		200 kg / m depending on wall substrate and projection
Dimensional tolerance	DIN 7715 T5 P3	requirements fulfilled
Storage time		24 months

System components	Length	Width	Height	Load transfer
ISO-TOP WINFRAMER SYSTEM BRACKETS „TYPE 1“ E30 80/80	1,200 mm	80 mm	80 mm	200 kg / m
ISO-TOP WINFRAMER SYSTEM BRACKETS „TYPE 1“ E30 90/80	1,200 mm	90 mm	80 mm	200 kg / m
ISO-TOP WINFRAMER SYSTEM BRACKETS „TYPE 1“ E30 140/90	1,200 mm	140 mm	90 mm	200 kg / m
ISO-TOP WINFRAMER SYSTEM BRACKETS „TYPE 1“ E30 160/110	1,200 mm	160 mm	110 mm	200 kg / m
ISO-TOP WINFRAMER SYSTEM BRACKETS „TYPE 1“ E30 180/110	1,200 mm	180 mm	110 mm	200 kg / m
ISO-TOP WINFRAMER SYSTEM BRACKETS „TYPE 1“ E30 200/110	1,200 mm	200 mm	110 mm	200 kg / m
ISO-TOP WINFRAMER SYSTEM BOARDS E30	width/height: 30/50; 30/60; 30/80; 30/90; 50/60; 50/80 und 50/110 mm; length: 1,200 mm			
ISO-TOP FLEX-ADHESIVE WF	for fixing on the wall and sealing the system joints			
ISO-TOP WF FIXINGS	for mechanical mounting on the wall			