

IN FRONT OF WALL INSTALLATION SYSTEM ISO-TOP WINFRAMER „TYPE 3“

Technical data	Standard	Classification
ISO-TOP WINFRAMER SYSTEM PROFILES:		
Material description (THERMAPOR)		EPS-F
Colour		silver grey
Building material class	DIN 4102 DIN EN 13501-1	B1 E
Bulk density		150 kg/m ³ ± 10 %
Flame retardant		HBCD-free flame retardant
UV light stability		at least 6 months direct weathering during the construction phase
Compatibility with adjacent building materials	internal	requirements fulfilled
Compatibility with salt water		resistant
Compatibility with hydrochloric acid (10 %)		resistant
Compatibility with caustic soda (10 %)		resistant
Thermal conductivity	DIN EN 12667	$\lambda = 0.040 \text{ W/(m} \cdot \text{K)}$
Form stability under thermal load		- 40 °C to + 85 °C
Temperature resistance	ISO 75-1	long-term +85 °C
Ageing resistance		resistant to rotting, non-rotting
Bending resistance	DIN EN 12089	≥ 650 kPa
Shearing stress	DIN EN ISO 14130	$X = 0.217 \text{ N/mm}^2$
Creep characteristics at 20 % and 60 %		$E_m = 0.68 \text{ 0/00 up to } 5.2 \text{ 0/00}$
Water absorption (28 days storage)	DIN 12087	≤ 1.5 Vol. %
Water vapour diffusion resistance μ	DIN EN ISO 12572	< 70
Waste key		170604 170904
Shelf life		24 months
ISO-TOP WINFRAMER INSULATING BARS:		
Material description		XPS polystyrene
Colour		beige
Building material class	DIN 4102	B1
Thermal conductivity	DIN EN 12667	$\lambda = 0.034 \text{ W/(m} \cdot \text{K)}$
Resistance		usual construction materials, except solvents

System components	Length	Width	Height	Load transfer
ISO-TOP WINFRAMER SYSTEM PROFILE 80/80	1,200 mm	80 mm	80 mm	200 kg/m
ISO-TOP WINFRAMER SYSTEM PROFILE 140/80	1,200 mm	140 mm	90 mm	200 kg/m
ISO-TOP WINFRAMER INSULATING BARS	width/height: 30/80 und 50/80 mm; length: 1,200 mm			
ISO-TOP FLEX-ADHESIVE WF	for fixing on the wall and sealing the system joints			