

# TECHNICAL SPECIFICATION

## FSP

### WOODEN SMOKE VENTILATION WINDOWS

WINDOW TYPE	FSP						
<b>I. APPLICATION</b>							
Installation	installation angle 20°-60° universal installation system installation on battens						
<b>II. FEATURES</b>							
Material	pinewood, vacuum impregnated						
Lacquer	acrylic natural colour						
Varnishing	twice						
Air inlet type	—						
Seals	two						
Equipment	2 x SP8 actuator (chain reach: 350mm, 24V power supply)						
Warranty	5 years for windows						
<b>III. TECHNICAL PARAMETERS</b>							
Wind load resistance	WL 1500 as per EN 12101-2:2003						
Snow load class as per EN 12101-2:2003							
	Roof angle in which the product is mounted						
Product size [cm]	Product code	20°	25°	30°	35°	40°	45°
78x140	07	SL 831	SL 870	SL 922	SL 989	SL 1075	SL 1185
94x140	09	SL 652	SL 685	SL 728	SL 783	SL 854	SL 946
114x118	10	SL 791	SL 829	SL 879	SL 943	SL 1025	SL 1131
114x140	11	SL 500	SL 527	SL 563	SL 608	SL 667	SL 742
134x98	12	SL 1020	SL 1067	SL 1128	SL 1207	SL 1307	SL 1437
Low ambient temperature	T (-05) as per EN 12101-2:2003						
Reliability	RE 1000 as per EN 12101-2:2003						
Resistance to heat	B 300 as per EN 12101-2:2003						
Fire resistance	E (frame), F (seals) as per EN 12101-2:2003						

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<b>IV. OPTIONS</b>	
Wooden profiles	- painted in colours of RAL spectrum - painted in one of five Lazure colours - coated with polyurethane lacquer (white) - in mahogany woodwork
Cladding	- painted in colours of RAL spectrum - cladding elements made of different types of sheet metal (CU, TC) - window with black mullion bar and cladding
<b>V. ADDITIONAL PRODUCTS TO BE USED</b>	
Flashings	- special E_S flashings - EFS flat roof system
Control	- electric
Mounting accessories	- insulation sets - insulating band
External accessories	It is not possible to install accessories in smoke ventilation windows.
Internal accessories	

VII. TECHNICAL PARAMETERS FOR WINDOWS IN PARTICULAR SIZES						
frame external size [cm]	78x140	94x140	114x118	114x140	134x98	
window size symbol	07	09	10	11	12	
access roof light internal area [m <sup>2</sup> ]	0.91	1.12	1.15	1.38	1.11	
smoke ventilation active area A <sub>s</sub> [m <sup>2</sup> ]	0.53	0.65	0.67	0.80	0.65	
FSP P1 window weight [kg]±1kg	41	47	48	54	47	

It is not possible to manufacture other sizes

VI. TECHNICAL PARAMETERS FOR WINDOWS WITH PARTICULAR GLAZING UNIT TYPES	
Technical parameters	Glazing unit type
	<b>P1</b>
glazing U-value as per EN 673	1.1 W/m <sup>2</sup> K
light transmittance factor τ <sub>v</sub> as per EN 410	0.70
solar factor g as per EN 410	0.52
UV radiation as per EN 410	0.01
frame thermal insulation U <sub>f</sub> as per EN ISO 10077-1, EN ISO 10077-2	npd
thermal insulation of frame and glazing connection Ψ as per EN ISO 10077-1, EN ISO 10077-2	npd

\* FAKRO internal test results  
npd – no performance determined

