

Frame extension elements for fire protection windows EI 30

Cement-bonded chipboard	Symbol	Test method	Unit	Value
Gross density	ρ_a		kg/m ³	1250
Thermal conductivity	λ_D		W/mK	0.350
Fire protection category		VKF/AEAI EN 13501-1		6.q3 B-s1, d0
Airborne sound insulation index			dB (A)	la=33
Moisture content			M.-%	9±3
Bending tensile strength			MPa	9
Elasticity modulus			MPa	4500
Transverse tensile strength			MPa	0.4
Compressive strength			MPa	15
Length alteration			‰	2
Thickness swelling (after 24 hrs)			M.-%	<1.5
Thickness swelling, maximum				<2.0
Specific heat			J/kgK	1.88
Water vapour diffusion			mg/m h Pa	31 0.023
Creep resistance				Class 0
Alkalinity			pH	>11-13
Permanent temperature resistance				+80°C

Rock wool	Symbol	Test method	Unit	Value
Gross density	ρ_a	EN 1602	kg/m ³	32
Thermal conductivity	λ_D	SIA bulletin 2001	W/mK	0.036
Fire behaviour		VKF (CH) no. 14670 EN 13501-1 (EU)		A1
Maximum application temperature			°C	250
Melting point		DIN 4102, part 17	°C	>1000
Specific thermal capacity	C		J/kgK	830
Diffusion resistance factor	μ	EN 12086		Approx. 1
Certificate of conformity	CE	No. 1163-CPD-0109		

Wood	Symbol	Test method	Unit	Value
Type	Oak			
Certification	PEFC-certified			
Thermal conductivity	λ_D		W/mK	0.210