Physical material properties
of the applied materials

FRINORM®

Infill for wooden and wood-metal windows
Sound insulation

Plywood	Symbol	Test method	Unit	Value
Classification				AW100
Gross density	ρ_a	EN 323	kg/m³	~420
Thermal conductivity	λ_D		W/mK	0.130
Emission category		UNI EN 717/2	mg HCHO/m²h	E1
Bending strength (longitudinal)		EN 310	N/mm²	36
Bending strength (lateral)		EN 310	N/mm²	30
Elasticity modulus (longitudinal)		EN 310	N/mm²	4600
Elasticity modulus (lateral)		EN 310	N/mm²	1350

Glass wool	Symbol	Test method	Unit	Value
Gross density	ρ_a		kg/m³	~22
Thermal conductivity	λ_D	EN 12667	W/mK	0.035
Fire behaviour		DIN EN 13501-1		6q.3/A1
Dimensional stability		DIN 4108-10		DS (T1)
Water vapour diffusion		DIN EN 12086		MU1
Thickness tolerance category		DIN EN 13162		T2
Application temperature			°C	≤250
Airflow resistivity	kPa·s/m²	DIN EN 29053		>5b (AF5)

Heavy bitumen foil	Symbol	Test method	Unit	Value
Gross density	ρ_a		kg/m³	10
Maximum temperature resistance			°C	160
Resistance to cold			°C	–25

Wood	Symbol	Test method	Unit	Value
Type	Spruce			
Certification	PEFC-certified			
Thermal conductivity	λ_D		W/mK	0.140

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