

## Iso panel

MDF board	Symbol	Test method	Unit	Value
Gross density	$\rho_a$	EN 323	kg/m <sup>3</sup>	>900
Thermal conductivity	$\lambda_D$		W/mK	0.120
Fire behaviour				B2
Bending strength		EN 310	N/mm <sup>2</sup>	>40
Transverse tensile strength		EN 319	N/mm <sup>2</sup>	>0.5
Thickness swelling (after 24 hrs)		EN 317	%	>35
Formaldehyde content (perforator method)		ÖNORM EN 120	mg/100 g	<0.5

Expanded rigid polystyrene foam (EPS)	Symbol	Test method	Unit	Value
Gross density	$\rho_a$	SN EN 1602	kg/m <sup>3</sup>	20
Thermal conductivity	$\lambda_D$	SIA V 279	W/mK	0.036
Fire behaviour		VKF	BKZ	5.1
Specific thermal capacity	C		Wh/kgK	0.39
Water vapour diffusion resistance factor	$\mu$	SN EN 12086		50
Compression stress at 10% compression	$\sigma_{10}$	SN EN 826	kPa	≥100
Creep behaviour under pressure (50 years, compression <2%)	$\sigma_C$	SN EN 1606	kPa	≥12
Top application limit temperature, non-weight-bearing			°C	75
Cell content				Air

Rock wool	Symbol	Test method	Unit	Value
Gross density	$\rho_a$	EN 1602	kg/m <sup>3</sup>	160
Thermal conductivity	$\lambda_D$	EN 12667	W/mK	0.045
Fire behaviour		EN 13501-1		A1
Compression stress at 10% compression	$\sigma_{10}$	EN 826	kPa	100
Tensile strength, vertical to panel plane	$\sigma_{ml}$	EN 1607	kPa	25
Water absorption, short-term	Wp	EN 1609	kg/m <sup>2</sup>	≤1
Water absorption, long-term	Wp	EN 12087	kg/m <sup>2</sup>	≤3
Melting point		EN 4102-17	°C	>1000
Maximum application temperature			°C	250