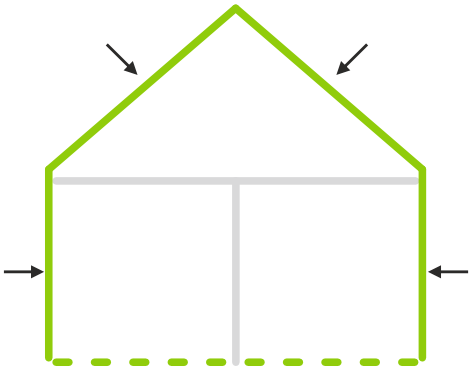
BFC
BELARUSIAN
FOREST COMPANY

WOOD FIBER INSULATION BOARDS

ULTRA

BELTERMO ULTRA



Composition

- natural coniferous wood fibres;
- MDI resin on polyurethane basis (4%);
- paraffin emulsion (1,5%).

Description and application

Water-resistant board.
Recommended use: external insulation of roofs and outer walls.
Possible use: floor insulation.

Installation recommendations

- keep and install in dry conditions;
- cross joints are not allowed;
- install tightly without gaps (for the roof);
- walking on boards between rafters is not allowed;
- structural loads are not allowed (for ex snow load)

Technical data

Edge profile	Flat/tongue and groove/step						
Standard size [mm]*	1900x600, 1800x600, 1200x600, 1250x600, 2500x600						
Nominal thickness [mm]	50	60	80	100	120	140	160
Maximum length/Minimum length [mm]	2850/800						
Maximum width/Minimum width [mm]	750/580						
Bulk density [kg/m³]	180						
Declared thermal conductivity, λ_D [W/m*K]	0,042						
Calculated thermal conductivity, λ [W/m*K]	0,045						
Declared thermal resistance, R_D [m^2k/W]	1,19	0,95	1,43	1,90	2,38	2,86	3,33
Calculated thermal resistance, R [m^2k/W]	1,11	0,89	1,33	1,78	2,22	2,67	3,11
Water vapor diffusion resistance factor, μ	3						
Sd value, Sd [m]	0,15	0,12	0,18	0,24	0,30	0,36	0,42
Compression strength [kPa]	150						
Tensile strength perpendicular to surface [kPa]	30						
Short-term water absorption [kg/m^2]	≤1,0						
Declared level of airflow resistance [(kPa*s)/m^3]	100						
Specific heat capacity, c [J/kg*K]	2100						
Fire class (according to EN 13501-1)	E						

* Others upon request.

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