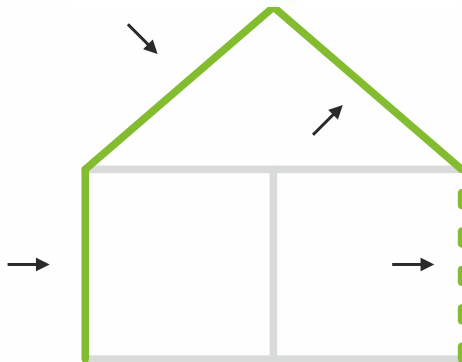


# BELTERMO KOMBI

# BACKTOEARTH

Helping You Build With Confidence



## 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: internal insulation of outer walls, constructions of frame-panel buildings.

## Installation recommendations

- keep and install in dry conditions;
- cross joints are not allowed;
- install with BELTERMO TOP or ULTRA on roofs
- install with BELTERMO MULTI for external insulation of outer walls.

## Technical data

Edge profile	Flat											
Standard size [mm]*	1200x600, 1250x580, 1250x600											
Nominal thickness [mm]	40	60	80	100	120	140	160	180	200	220	240	
Maximum length/Minimum length [mm]	2850/800											
Maximum width/Minimum width [mm]	750/580											
Bulk density [kg/m <sup>3</sup> ]	110											
Declared thermal conductivity, $\lambda_D$ [W/m*K]	0,037											
Calculated thermal conductivity, $\lambda$ [W/m*K]	0,040											
Declared thermal resistance, $R_D$ [m <sup>2</sup> k/W]	1,08	1,62	2,16	2,70	3,24	3,78	4,32	4,86	5,41	5,95	6,49	
Calculated thermal resistance, $R$ [m <sup>2</sup> k/W]	1,00	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00	
Water vapor diffusion resistance factor, $\mu$	3											
Sd value, Sd [m]	0,12	0,18	0,24	0,30	0,36	0,42	0,48	0,54	0,60	0,66	0,72	
Compression strength [kPa]	40											
Tensile strength perpendicular to surface [kPa]	-											
Short-term water absorption [kg/m <sup>2</sup> ]	≤2,0											
Declared level of airflow resistance [(kPa*s)/m <sup>3</sup> ]	50											
Specific heat capacity, $c$ [J/kg*K]	2100											
Fire class (according to EN 13501-1)	E											

\* Others upon request.

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