

**DGZ – CONSULTING SERVICE REQUEST:**

(In order to obtain the calculation please fill all the fields of this form, otherwise the technical department could reserve itself not to calculate)

<b>Applicant:</b>	<input type="checkbox"/> Designer	<input type="checkbox"/> Privat Client	<input type="checkbox"/> Construction Company
Name		Surname	
Tel. / Fax		Address	
E-mail		Data	

<b>Construction site:</b>		Site			
		Rothoblaas Salesman			

<b>Load on the roof</b>	<b>SYMBOL</b>	<b>VALUE</b>	<b>UNIT</b>
Dead load pro mq <sup>1</sup>	$g_{,k}$		kN/m <sup>2</sup>
Live load <sup>2</sup>	$q_{,k}$		kN/m <sup>2</sup>
Load duration	<input type="checkbox"/> SHORT	<input type="checkbox"/> MEDIUM	
Altitude site	$a_{,s}$		m s.l.m.
Wind pressure <sup>3</sup>	$p_{,k}$		kN/m <sup>2</sup>
<b>Geometry of the roof</b>	<b>SYMBOL</b>	<b>VALUE</b>	<b>UNIT</b>
Roof inclination	$\alpha$		°
Roof area insulated	S		m <sup>2</sup>
Length of the construction	$L_u$		m
Width of the construction	$L_a$		m
High of the ridge	$h$		m
Beam sizes	$b_t / h_t$		mm
Span (spaces between beams)	$i$		m
TIMBER TYPE (GL24h, C24, ecc) <sup>4</sup>			
Planking thickness	S plank		mm
Insulation thickness	S insulation		mm
Insulation density	$\rho$ insulation		kg/m <sup>3</sup>
Insulation compression resistance	$\sigma_c$ 10%		N/mm <sup>2</sup>
LATH SIZE (COUNTER BATTEN)	$b_l / h_l$		mm

**NOTE:**

<sup>1</sup> If not specified, a dead load of 0.5 kN/mq is considered

<sup>2</sup> If not specified, a live load of 1.5 kN/mq is considered

<sup>3</sup> If not specified, a wind pressure of 0.5 kN/mq is considered

<sup>4</sup> If not specified, a class of resistance C24 is considered for Solid Timber (EC 5 - EN 338:2016) and a class of resistance GL24h is considered for glulam timber (EC 5 - EN 14080:2013).

<sup>5</sup> If not specified, a lath length of 4 meter is considered

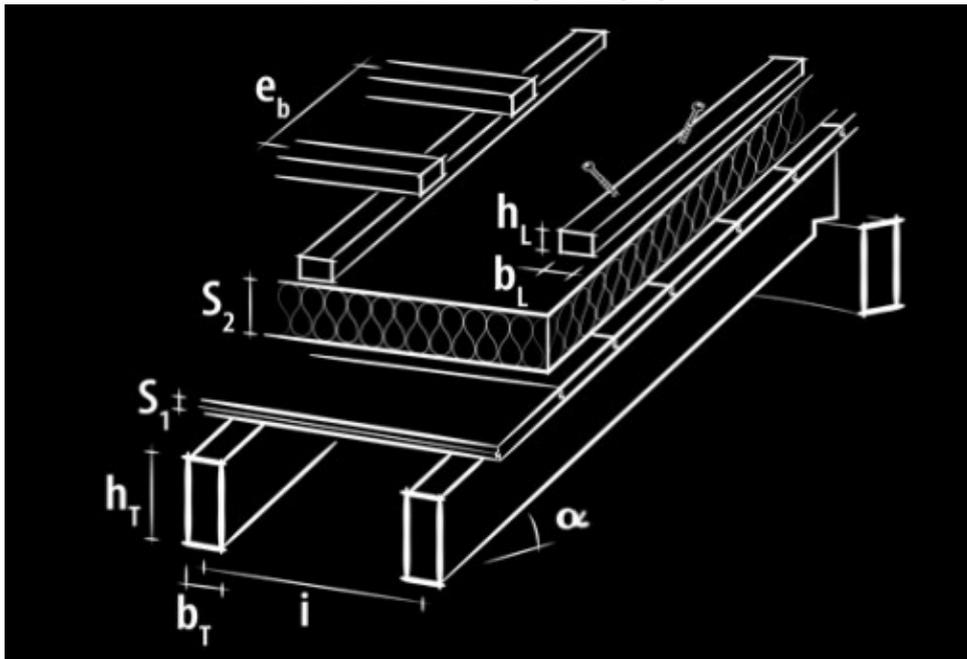
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SPAN (SPACE BETWEEN LATH)	i		m
LENGTH OF THE LATH <sup>5</sup>	L		m
TIMBER TYPE (GL24h, C24, ecc) <sup>4</sup>			
SPAN (SPACE BETWEEN LATH)	eb		m

On the back this page you can find a pattern diagram with the symbols.

Please send to us also a dwg or pdf drawing in order to understand better the roof.

**PATTERN AND SYMBOLS**



LEGEND	
$b_T$	Width of the beam
$h_T$	High of the beam
i	Span (space between the beams)
$b_L$	Width of the lath
$h_L$	High of the lath
i	Span (space between the lath)
$S_1$	Planking thickness
$S_2$	Insulation thickness
$e_b$	Span (space between the counter batten)
A	Roof area insulated
$L_u$	Length of the construction
$L_a$	Width of the construction

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 Technical department