HECO-Calculation-Service Document

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Calculation of required fixings for pitched roofs with insulation on the rafters in accordance to EC 5

Please give us all facts requested below. If the form is not filled in completely we can not do the calculation.

All technical details and documents can be downloaded from our homepage www.heco-schrauben.com

For detailed information please contact our technical support at +49 (0)7422 - 989 0

Project:.....	Building company:.....
Location and postcode:.....	Location and postcode:.....
Manager/Architect:.....	Tel:.....
Tel:.....	E-mail / Fax:.....
best wood Schneider® GmbH Kappel 28, 88436 Eberhardzell info@schneider-holz.com Tel. 07355-9320-0 - Fax 07355-9320-300	**Roof type (please tick a box):** Monopitch roof ☐ Gable roof ☐ Hipped roof ☐

Roof details

Pitch of roof:	....°		Depth of counter battens:	.....	[mm]
Pitch of hipped end:	....°		Width of counter battens:	.....	[mm]
Over hang at gable:	.....	[m]	Max. length of counter battens:	.....	[m]
Over hang at eaves:	.....	[m]	Depth of battens:	.....	[mm]
Over hang at ridge:	.....	[m] (monopitch)	Width of battens:	.....	[mm]
Height of building at gable:	.....	[m]	Centres of roof batten:	.....	[mm]
Length of building:	.....	[m] (eaves)			
Width of building:	.....	[m] (gable)	**Suction verification between rafter and purlin**		
Width of rafter:	.....	[mm]	Calc.of connection between rafter/purlin:	☐ yes ☐ no	
Depth of rafter:	.....	[mm]	Calc. of anchorage of inferior purlin:	☐ yes ☐ no	
Length of rafter:	.....	[m]	Width of inferior purlin:	.....	[mm]
Centres of rafters:	.....	[mm]	Depth of inferior purlin:	.....	[mm]
Sarkingboard thickness:	.....	[mm]	Width of concrete ring beam:	.....	[mm]

Detailed information of type, product and insulation producer:			**Interaction**		
			Load of roof cover:	.....	[kN/m²]
			Snow load:	.....	[kN/m²]
Thickness of insulation:	.....	[mm]	If snow load unknown:		
Pressure restistance in:	.....	[N/mm²]	Postcode or location of project:	.....	
or	.....	[kPa.]	Altitude of project:	.....	[m above sea level]

Roofdesign	**HECO-Schrauben GmbH & Co. KG**
with counterbatten against shearblock ☐	Dr.-Kurt-Steim-Str. 28
with shearblock and running counter batten ☐	D-78713 Schramberg - Sulgen
without shearblock ☐	Tel. +49 (0)7422 / 989-0
	Fax. +49 (0)7422 / 989-275
	E-Mail: info@heco-schrauben.de; www.heco-schrauben.com

All calculations are done in grade C16 timber and in accordance with Eurocode 5. For varying timber qualities please contact us.

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