

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:..... Location and postcode:..... Manager/Architect:..... Tel:.....	Building company:..... Location and postcode:..... Tel:..... E-mail / Fax:.....
Trader:..... Location and postcode:..... Tel:..... E-mail / Fax:.....	Roof type (please tick a box): Monopitch roof <input type="checkbox"/> Gable roof <input type="checkbox"/> Hipped roof <input type="checkbox"/>
Roof details	
Pitch of roof:° Pitch of hipped end:° Over hang at gable: [m] Over hang at eaves: [m] Over hang at ridge: [m] (monopitch) Height of building at gable: [m] Length of building: [m] (eaves) Width of building: [m] (gable) Width of rafter: [mm] Depth of rafter: [mm] Length of rafter: [m] Centres of rafters: [mm] Sarkingboard thickness: [mm]	Depth of counter battens: [mm] Width of counter battens: [mm] Max. length of counter battens: [m] Depth of battens: [mm] Width of battens: [mm] Centres of roof batten: [mm]
Suction verification between rafter and purlin	
Calc.of connection between rafter/purlin: <input type="checkbox"/> yes <input type="checkbox"/> no Calc. of anchorage of inferior purlin: <input type="checkbox"/> yes <input type="checkbox"/> no Width of inferior purlin: [mm] Depth of inferior purlin: [mm] Width of concrete ring beam: [mm]	
Interaction	
Load of roof cover: [kN/m ²] Snow load: [kN/m ²] If snow load unknown: Postcode or location of project: Altitude of project: [above sea level]	
HECO-Schrauben GmbH & Co. KG	
Dr.-Kurt-Steim-Str. 28 D-78713 Schramberg - Sulgen Tel. +49 (0)7422 / 989-0 Fax. +49 (0)7422 / 989-275 E-Mail: info@heco-schrauben.de	
Roofdesign with counterbatten against shearblock <input type="checkbox"/> with shearblock and running counter batten <input type="checkbox"/> without shearblock <input type="checkbox"/>	
Detailed information of type, product and insulation producer: Thickness of insulation: [mm] Pressure resistance in: [N/mm ²] or [kPa.]	

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