

Inquiry for Calculation for Top2Roof- or Facade- Insulation

Calculation according to EN 1995-1-1 + NA and ETA 12/0373

[Click the appropriate box](#)

Please send the completed document to : info@schrauben.at

1.0 project Construction Company _____
 Contact _____
 Phone number, e-mail _____
 Trader _____

Project _____
 Country _____
 Postal code / city _____

2.0 preferred headtype: Countersunk Washerhead

2.1 preferred type of screw: Rapid@
 Rapid@ Top2Roof
 StarDrive GPR

2.2 preferred Ø mm of screw: Ø 6 mm Ø 8 mm Ø 10 mm

3.0 roof type: Pitched roof (gable roof) Single pitch roof (shed roof) Wall (facade) $\beta=90^\circ$

3.1 roof inclination β (°) _____

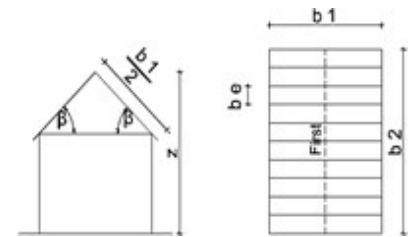
3.2 ridge height z (m) _____

3.3 rafter distance b_e (cm) _____

3.4 rafter length b_1 (m) _____

3.5 eaves length b_2 (m) _____

(if gable roof: write sum of both sides)

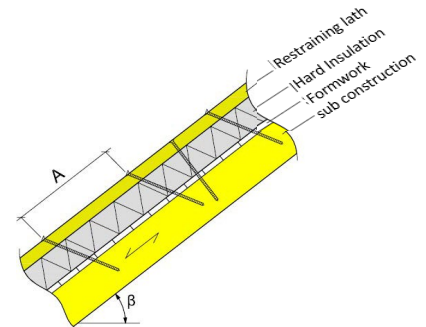


4.0 restraining lath (battens) of softwood, C 24 (mm) _____ x _____ (height x width)

4.1 thickness of formwork, panels ... (mm) _____

4.2 dimensions of rafter (mm) _____ x _____ (height x width)
 (for control of the screw length)

5.0 weight of roof covering and lathing 300 N/m² roof. - metal, shingle, corrugated cement
 550 N/m² roof - roof tiles, slate
 750 N/m² roof - beaver double roofing
 _____ N/m²



6.0 wind load _____ (please write the number of zone) _____ (please write the national norm)
 (acc. to national norm)

6.0 No wind load zone? Please write the characteristic wind load q: _____ kN/m²

7.0 snow load _____ (please write the number of zone) _____ (please write the national norm)
 (acc. to national norm)

7.1 No snow load zone? Please write the characteristic snow load S_k : _____ kN/m²

7.2 altitude (m): _____

8.0 thickness of insulation (mm) _____

8.1 name of insulation _____

8.2 insulation type send technical data sheet or indicate the following three necessary parameters

Compressive stress at
 10% compression: _____ N/mm²
 Insulation density: _____ kg/m³
 E-module: _____ N/mm²