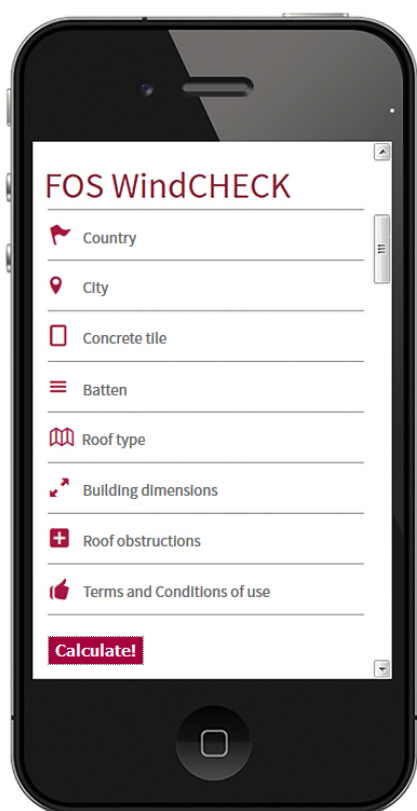


Professional Wind Uplift Calculation - fast and straightforward

Which clip is suitable and meets professional standards? When and which part of the roof needs to be secured? How many clips are needed to secure the roof?



The new version of the FOS WindCHECK® at www.fos.de not only calculates the required fixing specification, the clip type and quantity, it also shows an overview outlining the areas to be fixed. The results are presented in a clear and precise report.



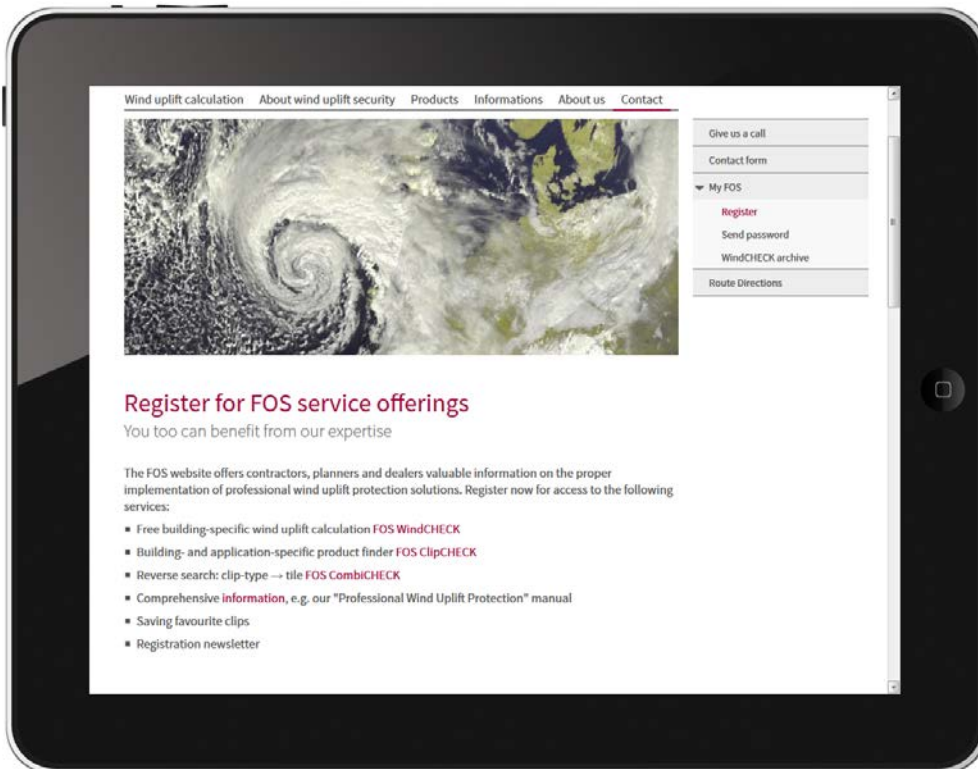
To calculate the clip quantity precisely, it's now possible to include roof obstructions such as dormer windows, chimneys etc into the calculation. This has two advantages: the fixing specification shows how to secure the tiles around the obstruction and the clip quantity is automatically reduced by the area of the obstruction e.g. skylights.

Additional to hipped, mono- and duo pitch roofs, other more complex roof designs have been added.

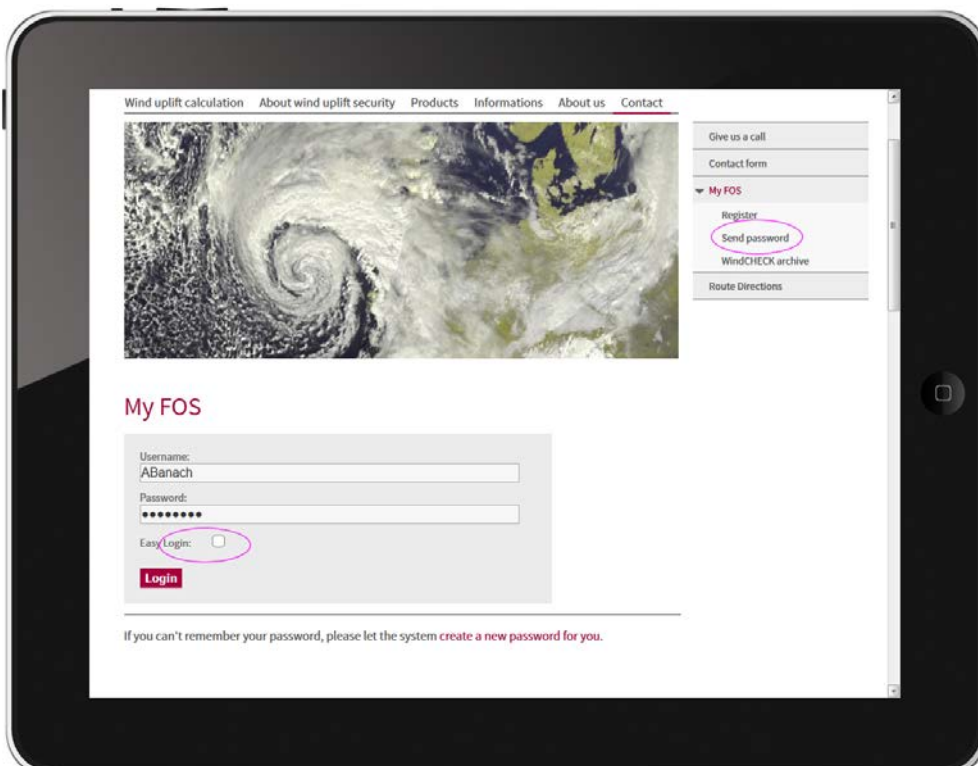
Note that you can also use the FOS WindCHECK on your smartphone or tablet – our new website adjusts automatically to all common formats.

Instruction for FOS WindCHECK on www.fos.de

- 1 **www.fos.de > Contact > MyFOS > Register** and complete the form.



- 2 After sending the form we will send you a confirmation email. Now you are able to log in at Contact > My FOS. The comfort login is handy for repetitive use. If you misplace your password you can use the password recovery function.



Instruction for FOS WindCHECK on www.fos.de

- 3 At Wind Uplift calculation select > FOS WindCHECK.
- 4 Select the country, postcode and wind zone. Mark the location and terrain category.

Wind uplift calculation About wind uplift security Products Informations About us Contact

FOS WindCHECK

Simply enter your details in the input fields. In just a few steps, our calculation tool will create an installation guide, complete with laying pattern, the type and quantity of clips required, as well as a diagram showing exactly which areas of the roof require anchorage. In addition, the resulting PDF contains informations about the calculated wind load and the calculated resistance of the fixed roof cover. It is saved under My FOS -> WindCHECK archive and can be called up again if necessary. Please note that the wind uplift calculation is not valid for exposed locations.

Country: DE

City: 58675

Zip code or town
58675 Hemer

58675 Hemer
Nordrhein-Westfalen
Height 200 - 300 m
Wind zone: 1

Wind zone: **1** 2 3 4

☒ Inland
☐ Near the coast
• lies less than 5 km from the coast
• on a lake with at least 5 km free area in wind direction to 5 km inland
☐ North Sea island

- 5 Select the manufacturer, tile name and batten size.

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Country: DE

City: 58675 Hemer, Wind zone 1, Inland

☐ Concrete tile: BRAAS - DE / Frankfurter Pfanne, by row

Manufacturer
BRAAS - DE

Roof tile
Frankfurter Pfanne

cover length in mm
328.5

According to manufacturer specification on average: 328.5

cover width in mm
300

Number of roof tile per m²
10.1

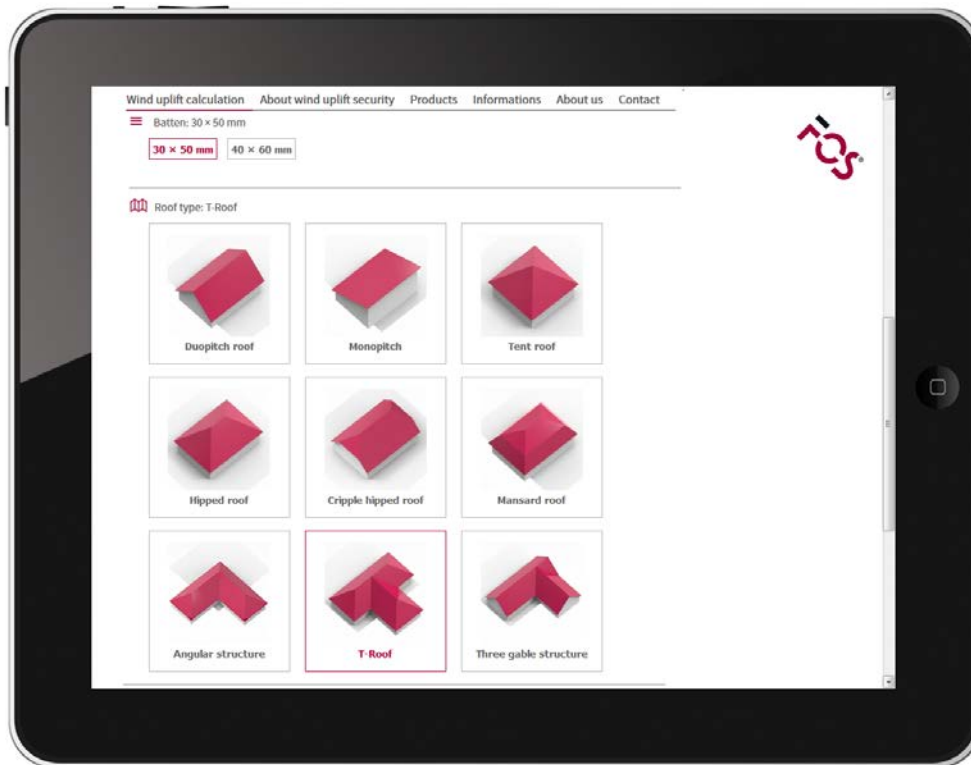
Batten: 30 x 50 mm
30 x 50 mm 40 x 60 mm

Roof type

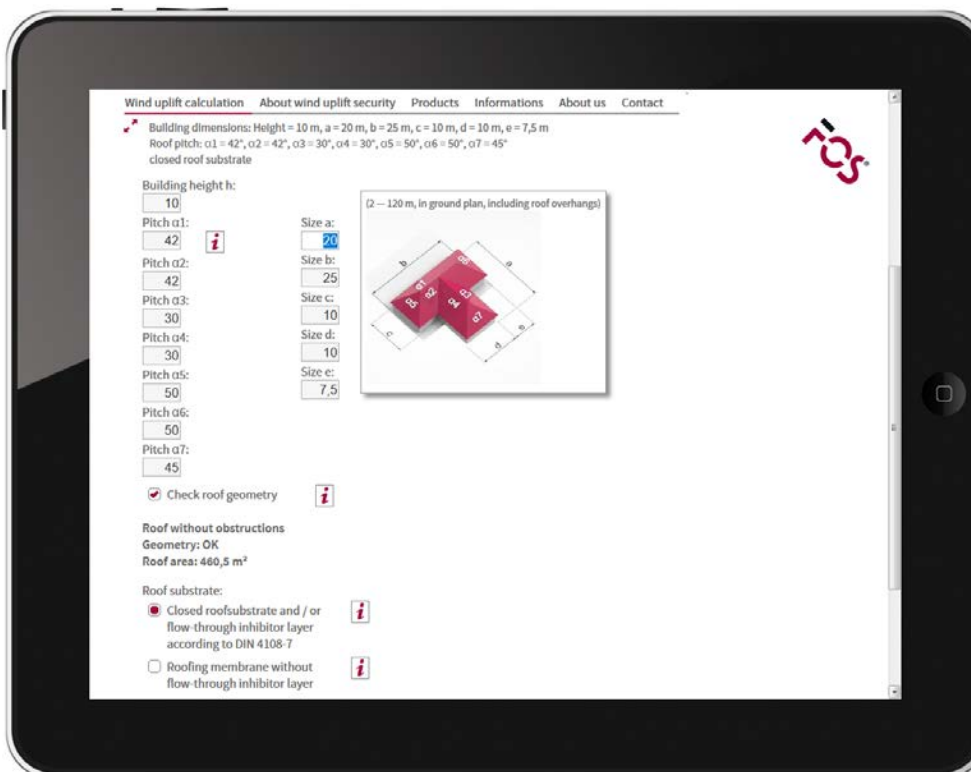
Building dimensions

Instruction for FOS WindCHECK on www.fos.de

6 Select roof type.

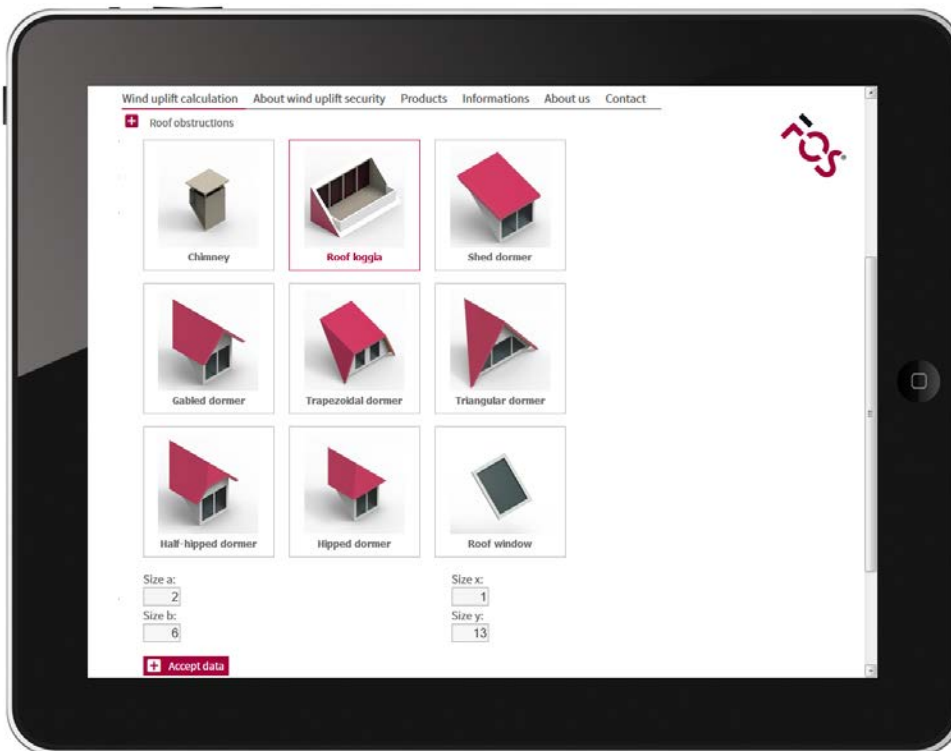


7 Enter roof specifics and type of underlay. The program is able to check if the entered data are geometrically correct.

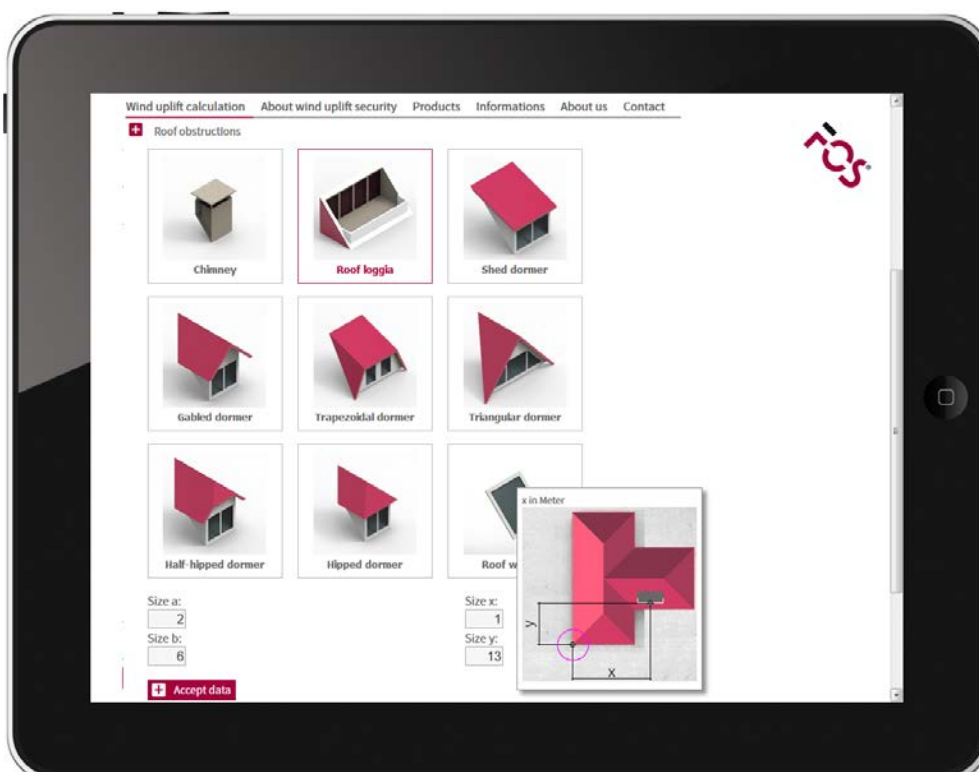


Instruction for FOS WindCHECK on www.fos.de

- 8 Enter the roof obstructions, length (a), width (b), pitch position (x) and (y). Please import data.

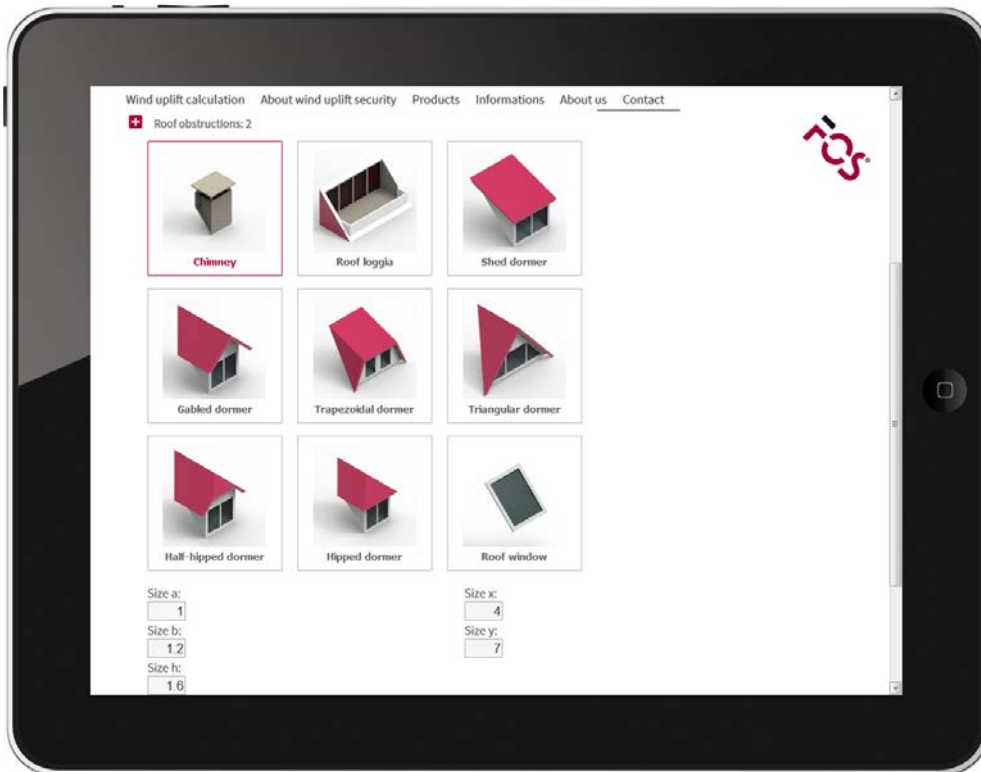


- 9 NOTE: The reference point for positioning the roof obstruction is located at the bottom left hand corner of the roof sketch. Please adjust the measurements accordingly and enter the distance from that point.



Instruction for FOS WindCHECK on www.fos.de

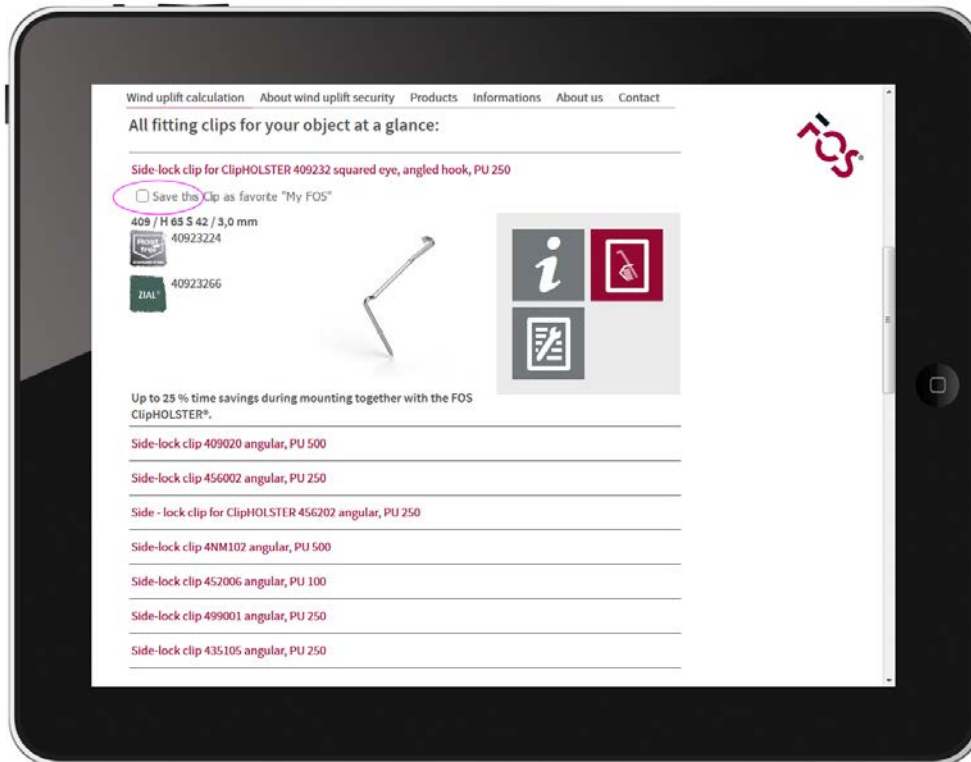
- 10** Continue entering the data for each roof obstruction and click on accept. Adjustments are possible at any time.



- 11** Accept terms and conditions of use and start the calculation.

Results FOS WindCHECK at www.fos.de

- 1 List of all suitable clip types in order of the wind uplift resistance from highest to the lowest. It is possible to save your preferred clips into your favourites. You can manage your favourites at Contact > My FOS > Favourite clips:



- 2 The table "Calculation result" outlines the required clip quantity and the fixing specification for each roof area.

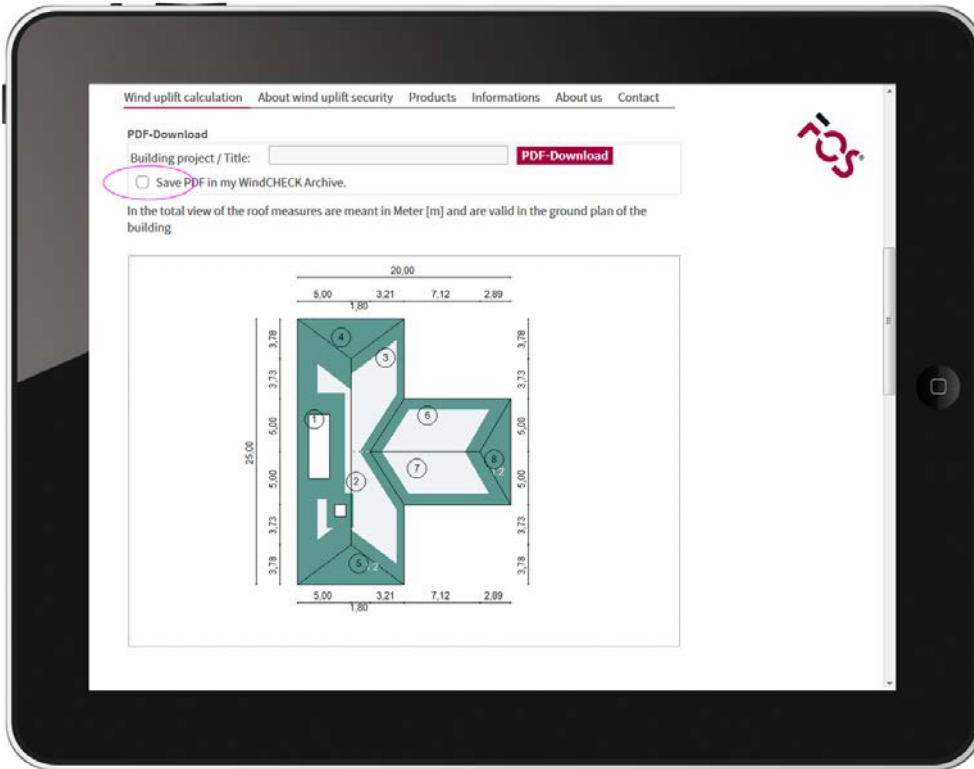
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Calculation result: 409°232

	Roof area	Fixing pattern	Total number of clips	Surface in m²
Roof surface 1: 42°	1	1:2	ca. 394	74,6
	Verge, Hip, Ridge			
	3 Eaves	1:2	ca. 170	33,1
	2	-	-	17,3
Roof surface 2: 42°	1	1:2	ca. 98	18,3
	Verge, Hip, Ridge			
	3 Eaves	1:2	ca. 23	4,5
	2	-	-	37,8
Roof surface 3: 42°	1	1:2	ca. 92	17,3
	Verge, Hip, Ridge			
	3 Eaves	1:2	ca. 23	4,5
	2	-	-	38,8
Roof surface 4: 50°	1	1:2	ca. 149	29,4
	Verge, Hip, Ridge			
	3 Eaves	1:2	ca. 149	29,4
	2	-	-	
Roof surface 5: 50°	1	1:2	ca. 149	29,4
	Verge, Hip, Ridge			
	3 Eaves	1:2	ca. 149	29,4
	2	-	-	

Results FOS WindCHECK at www.fos.de

- 3** The dimensional roof sketch shows the entered data and recommended fixing pattern.



- 4 The generated PDF contains the entire Wind Uplift Calculation including the wind load and uplift resistance. It can be printed, saved and managed in Contact > My FOS > WindCHECK archive.

