



README on Demo XLS 52010-1

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Replaces document: --

1 Contents of the set of files

- 1 x Calculation Excel file (xlsm)
- 2x Configuration Excel file (xlsm)
- 2 x Demo input data files (xlsx)
- 2 x Demo output data files (xlsx)
- Readme file (pdf)
- Explanation on updated spreadsheets for EN ISO 52010-1 and ISO 52016-1 (pdf from pptx)

2 Explanation on the spreadsheets

- The Info and Explanation sheets in the Excel files
- Slide deck: Explanation_XLS_Demo_ISO_52010 & 52016-1_2019.11.pdf

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3 Procedure

1. Check if all needed files are in the same folder: the calculation file, the configuration file and the input data file.
2. Open the configuration Excel file
 - a. Fill in the name of the Excel file with the calculation procedures
 - b. Fill in the name of Excel file with the input climate data
 - c. Fill in the name of the sheet in that file that contains the required input data
 - d. Fill in or adapt the other input data in the configuration file as needed. Read the explanation behind each input.
Note that if the output is used as input for the Excel file on EN ISO 52016-1, the orientation and tilt of the selected planes must cover the planes needed in the specific EN ISO 52016-1 calculation case(s). Also the identifier for the plans must be the same.
 - e. Save the configuration file.

3. Push the button

Open XLS on ISO 52010-1, import input file, run calculation and export main output

Click OK when requested (a few times, to mark the successive step).

The data from the input data file and from the configuration file will be copied to the calculation file. The calculation will be started and the output written in a new output file that will be stored with the date and time in the file name.

It is recommended to adapt the file name to identify e.g. the climate used and the selected planes.

Alternative procedure:

(only recommended for minor changes): open the calculation Excel file and adapt the input data

manually and push the button:

Start (re-)calculation

. This will give the results for only one plane.

4 Some observations on the calculations/results compared to the previous version

- The calculation of solar shading by external obstacles has been removed from the EN ISO 52010-1 spreadsheet. It will be published later as a separate spreadsheet (with output that can be used as input to the EN ISO 52016-1 spreadsheet).

5 More information

For more information on this EPB standard and on the whole set of EPB standards, please visit the EPB Center website: www.epb.center