CALUWIN

Date:	8/15/2020	Project:	project2020-08-15
Time:	1:16:57 PM	Window type	Single sash

The user is responsible for the correct rounding of input values Uf, Ug and Psi in accordance with EN ISO 10077-1. This standard requires the rounding of Uf- and Psi- values to two decimal places and the rounding of Ug-values to one decimal place.

External dimensions:

a =	1.230	m
b =	1.480	m

Glass:

DGU_Planitherm XN

Spacer:

Aluminium

Frame:

PVC

Frame width:	0.11	m

Details:

Ag (glazing area):	1.273	m²
Af (frame area):	0.548	m²
Aw (window area):	1.820	m²
Frame fraction:	30	%
Uf (frame):	1.300	W/m²K
Ug (glazing):	1.1	W/m²K
Glass thickness, e+i:	4 + 4	mm
Ψ_g:	0.076	W/mK
Length of glass edge:	4.540	m
Ψ_s:	0.00	W/mK
Length of Georgian bars:	0.000	m

Condensation Calculator

Te (temperature external) in °C:	-5	°C
Ti (temperature internal) in °C:	20	°C
Phi (relative humidity internal) in %:	50	%
Tsi (temperature surface internal):	7.8	°C
Tdp (temperature dew point):	9.2	°C

CONDENSATION!

Uw =	**1.3**	**W/m²K**
	1.349	**W/m²K**
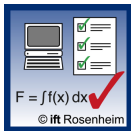
The calculations are based on the standard EN ISO 10077-1. The calculation method of the software tool Caluwin Version 0.134.46 has been veryfied on plausibilty by ift-Rosenheim according to ift-guideline WA-05/3. The input data have not been checked by ift-Rosenheim and their corresponding proof has to be regarded as applicable documents. The user of Caluwin is responsible for the correct input data and thus for the obtained results of calculations.