

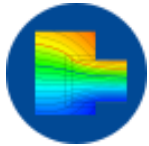
SommerGlobal Cloud

Store project data securely and online!



The Software SommerGlobal

Professional building physics software for windows, facades and glass



WINISO®

U_f , Ψ , heat flows, isotherms, f_{Rsi}



WINSLT®

U_g , g , g_{tot} , CE marking



WINTHS®

Thermal stress



GLASGLOBAL®

Glass statics according to:



DIN 18008



EN 16612



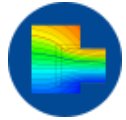
ÖNORM B 3716



SIA 2057

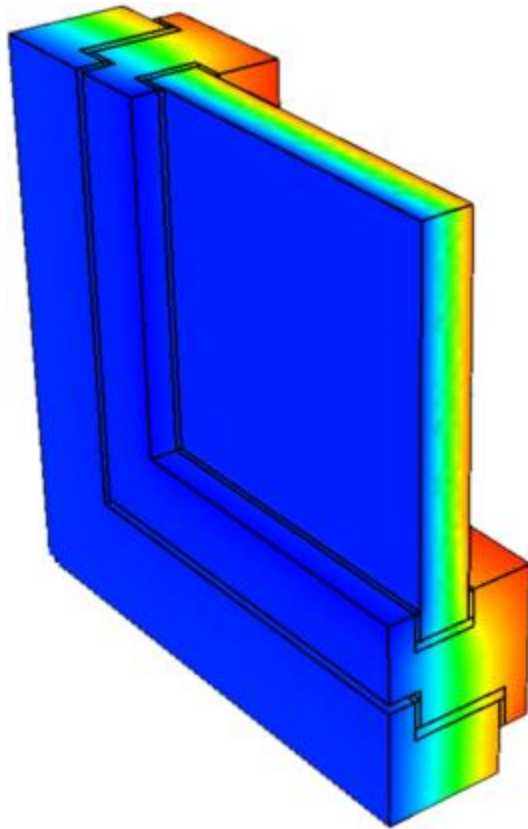


E1300-16



WINISO® 2D + 3D

U_f , Ψ , thermal bridges, isotherms, f_{Rsi}



Calculation of heat flows, isotherms, U_f - and Ψ -values according to EN ISO 10077-2 as well as U_{fr} -, U_{eg} - and U_{cg} -values according to ISO 15099 / NFRC 100 and 2D and 3D thermal bridge calculation

www.sommer-informatik.com/winiso



GLASGLOBAL®

Glass statics according to DIN 18008, ASTM, SIA 2057, ÖNORM and EN 16612

DIN 18008-2:2020-05
Vertikalverglasung
(DIN 18008-1,-2)

Projektdaten
 Projekt: 2023_01_30
 Position: 01
 Bearbeiter: ADMIN
 Datum: 30.01
 Firma:
 Bezeichnung:

Geometrie Vertikalverglasung
 Einbauwinkel: 90,0° Breite b: 1000 mm
 Form: Rechteck Höhe h: 2000 mm
 Lagerung: Abseitig Keine Absturzsichernde Verglasung

Aufbau

Nr.	Hersteller	Bezeichnung	Gas/ Verbundschicht	Dicke (mm)
1	Scheibe außen	Sommer Informatik GmbH	Fluor	4,00
2	SZH1	Aluminium (EN ISO 10077-2)	90% Argon	16,00
3	Scheibe innen	Sommer Informatik GmbH	Fluor	4,00

Eigenes Gewicht Gesamtgewicht: 40,00 kg
 $\cos(90,0^\circ) = 0,00$

Windlast
 Windlastzone: Windzone 1 Höhe ü. NN: 5 m
 Geländekategorie: Binneland

	oben / außen	mitte	unten / innen
Eigenes Gewicht	0,10 kN/m²	-	0,10 kN/m²
wirkksam	0,00 kN/m²	-	0,00 kN/m²

Klimalast

	SZH1	SZH2	isochorer Druck
Sommer	20,0	-	-20 hPa
Winter	-20,0	-	40 hPa
Last Sommer	0,00 kN/m²	-	-
Last Winter	-12,50 kN/m²	-	-

Ortshöhen

	Einbau	Probierbohr	Last
Lastfall min.	-	-	-3,50 kN/m²
Lastfall max.	-	-	7,20 kN/m²

Streckenlast
 Last: 0,00 kN/m Angriffshöhe: - mm Last auf Innenecke (Druck)

Nachweis OK (max. Ausnutzung: 72,82 %)
 max. Lastfall Spannung: Außen, Nr. 3: Gewicht (1,05 * 1,00); Einbau hoch (1,35 * 1,00); Klima Sommer (1,50 * 0,60); Windlast (1,50 * 1,00)
 max. Durchbiegung = -10,56 mm (Lastfall Nr. 8); Durchbiegung bezogen auf 1 / 100 der Stützweite um 6 % zu gross, jedoch nach DIN 18008-2, § 1.5 zulässig, falls bei max. Sehnenverkürzung 0,30 mm die Auflagerbreite überall >= 5 mm beträgt.
 Fluor Verglasungen mit Oberkante höher als 4 m über Verkehrsfläche müssen abseitig und Invertierung gelagert sein!

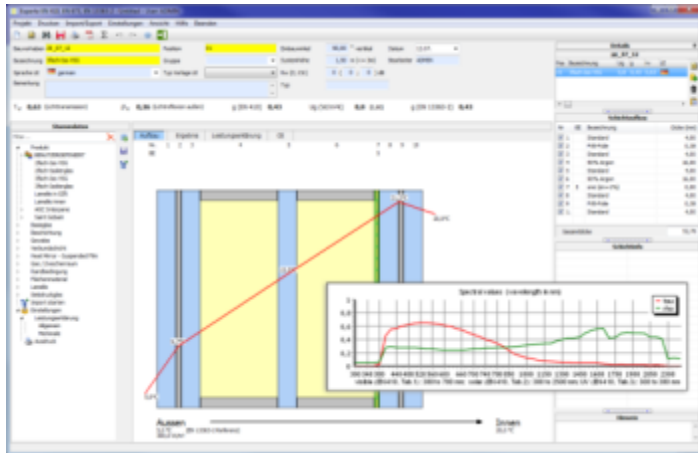
Powerful glass static calculation with FEM, point support, fall protection, accessible and walkable glazing for Germany (DIN 18008), Switzerland (SIA 2057), USA (ASTM), Austria (ÖNORM) and Europe (EN 16612)

www.sommer-informatik.com/glas-global



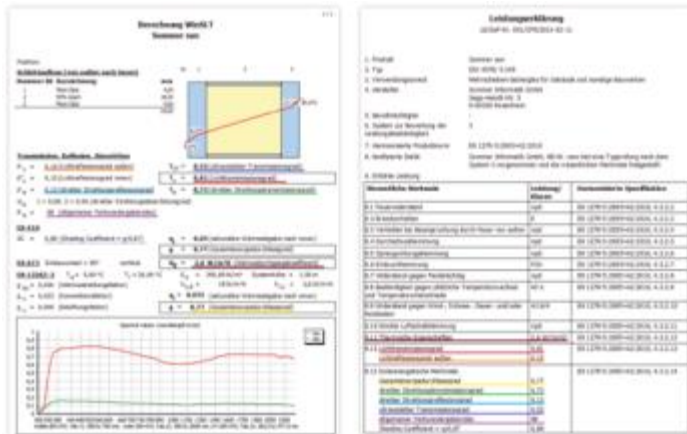
WINSLT®

U_g , g , g_{tot} , CE marking



Calculation of photometric, solar and thermal parameters of glazing in combination with solar control. Declaration of performance and CE marking for each glazing.

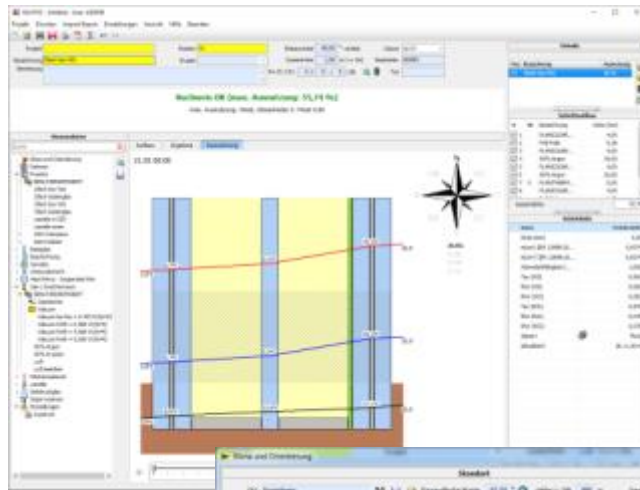
www.sommer-informatik.com/winslt





WINTHS®

Thermal stress



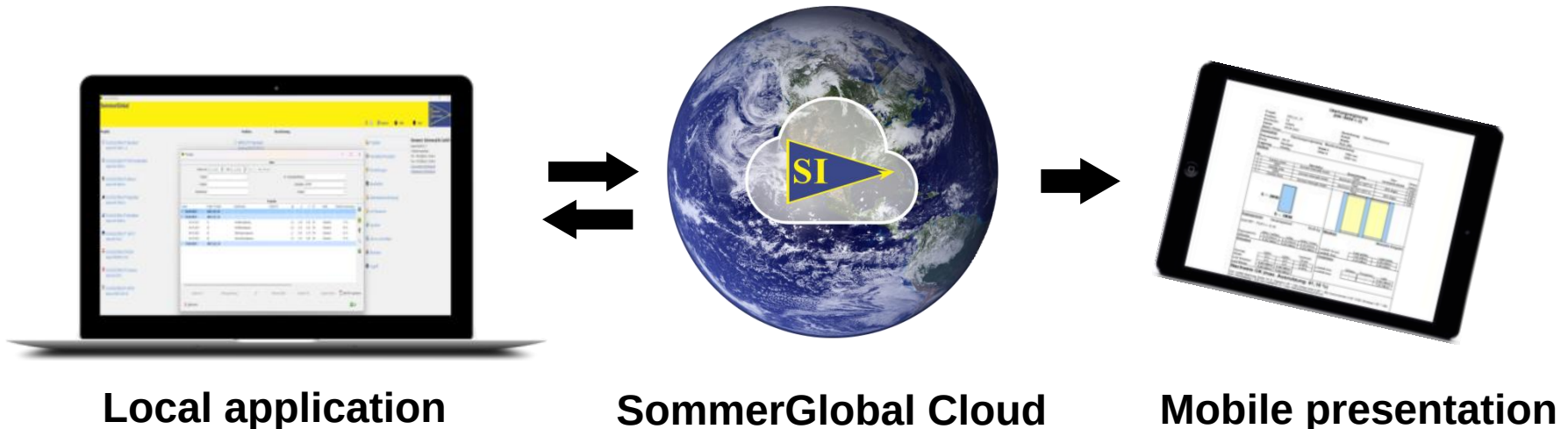
Calculation of thermal stresses in glass panes due to solar radiation and partial shading during the day and year with real climate data.

www.sommer-informatik.com/winths



SommerGlobal Cloud

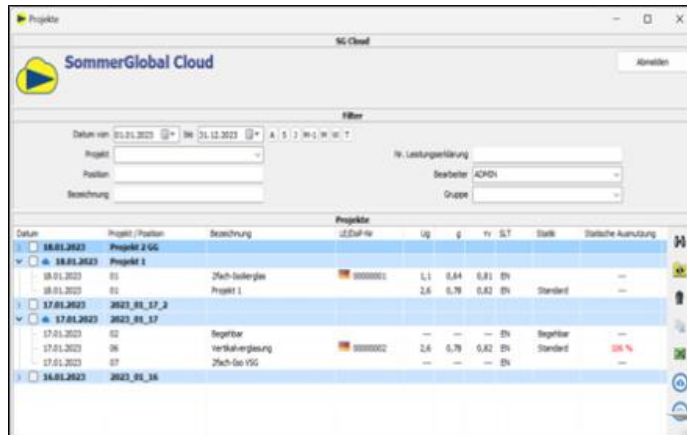
- ✓ Save local calculations from SommerGlobal in the cloud
- ✓ Retrieve calculations from the cloud from any location
- ✓ Load and edit items anytime and anywhere
- ✓ View reports as mobile documents





What is stored?

- ✓ Positions/projects including printouts
- ✓ Customised materials
- ✓ Documents that are stored with the customised materials



SommerGlobal Cloud

Filter:

Datum von: 01.01.2023 bis: 31.12.2023

Projekt:

Position:

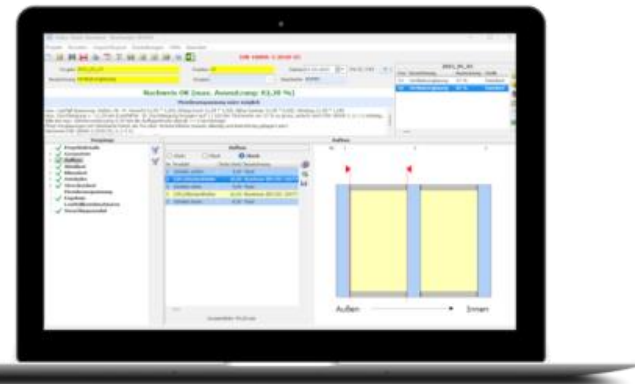
Bezeichnung:

Nr. Leistungserstellung:

Beauftragter: ACHD

Gruppe:

Datum	Projekt / Position	Bezeichnung	UStG Nr.	Ug	g	rv	SLT	Stufe	Statistische Auswertung
08.01.2023	Projekt 2 GG								
08.01.2023	Projekt 1								
08.01.2023	01	Zfuch-Schieleglas	00000001	1,1	0,84	0,81	EN	Standard	
08.01.2023	02	Projekt 1		2,6	0,78	0,82	EN		
07.01.2023	2023_R1_17_3								
07.01.2023	2023_R1_17								
07.01.2023	02	Begleitbar					EN	Begleitbar	
07.01.2023	06	Verbleiberglasung	00000002	2,6	0,78	0,82	EN	Standard	100 %
07.01.2023	07	Zfuch-So VSG					EN		
06.01.2023	2023_R1_16								





How does the storage take place?

- ✓ Manually by the user, or automatically for positions if the corresponding setting has been activated by the user
- ✓ The content of the data is encrypted



How long will the data be stored?

- ✓ Until the user removes it
- ✓ Until the account is deleted

How do I obtain the cloud?

- ✓ Install the new version 8.0 SommerGlobal (prerequisite is successful licensing of SommerGlobal)
- ✓ Register the cloud account
- ✓ Test the demo version of the SommerGlobal Cloud
- ✓ Purchase the desired contingent for your company
- ✓ **Get started!** Upload your data from the SommerGlobal software to the SommerGlobal Cloud



Advantages



German server according to european GDPR standards



Maintenance-free



Accessible worldwide



Regular backups



Encrypted data transmission / storage



PDF results available on mobile devices



Contract

- Usage of the demo version available for 30 days
- A minimum subscription period of one year applies when ordering
- Annual billing
 - Billing per 1,000 calculations, items or saved results
- Extension of the quota possible at any time

Glossary of terms

Term	Explanation
Project	Project created in SommerGlobal
Cloud	Storage available online
Customised materials	Materials that were created manually in WINSLT
Quota	Maximum number of calculations, items or saved results covered by the order that can be uploaded to the cloud



Sommer
Informatik

Further information is available at:

www.sommer-informatik.com

Sommer Informatik GmbH

Sepp-Heindl-Str. 5

D-83026 Rosenheim

Tel.: +49 (0)8031 2488-1

Fax: +49 (0)8031 2488-2

info@sommer-informatik.com