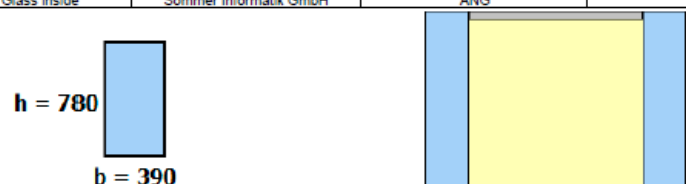


GLASGLOBAL® Switzerland

GLASGLOBAL® Switzerland is the expert software for the calculation of glazing according to Swiss standards.

With only a few inputs you get the static proof of your glazing according to the new version of SIA 2057.

Geometry						
Installation	90,0°	Width b	390 mm	Support	Four-sided	
Shape	Rectangle	Height h	780 mm			
Construction						
Glass thickness for proof: Minimum thickness						
Nr.		manufacturer	Description	Gas/ Composite layer	Thickness	
1	Glass outside	Sommer Informatik GmbH	ANG		4,00	
2	GD1		Aluminium (EN ISO 10077-2)	90% Argon	16,00	
3	Glass inside	Sommer Informatik GmbH	ANG		4,00	
						
Dead load						
Total weight		6,08 kg		cos(90,0°) = 0,00		
	top / external	Middle	Bottom / Internal			
Dead load	0,10 kN/m ²	-	0,10 kN/m ²	ASTM E1300, Table X4.1:	Load Duration	3 s
effective	0,00 kN/m ²	-	0,00 kN/m ²	> 1 year -> 3 s	Temperature	50°C
Factorized	0,00 kN/m ²	-	0,00 kN/m ²	Factor = 1/0,31 = 3,23		
Wind load						
	1,00 kN/m ²					
Factorized	1,00 kN/m ²	Manual input				
		Load Duration 3 s				
		Temperature 50°C				
Line load						
	1,00 kN/m	Location above FFL 779 mm				
Factorized	1,56 kN/m	Load on outer pane (Pressure)				
		ASTM E1300, Table X4.1:				
		60 min -> 3 s				
		Factor = 1/0,64 = 1,56				
		Load Duration 3 s				
		Temperature 50°C				
Point load						
	0,00 kN	x = 195 y = 390				
Factorized	0,00 kN	contact area 50 x 50 mm				
		ASTM E1300, Table X4.1:				
		60 min -> 3 s				
		Factor = 1/0,64 = 1,56				
		Load Duration 3 s				
		Temperature 50°C				
Proof OK (2,33 N/mm ² < 23,30 N/mm ²)						
<small>max. Load case Stress: outside, Nr. 2: Weight (1,00), Wind pressure (0,60) max. Deflection = 0,31 mm (Load case Nr. 5) -> max. chord shortening 0,00 mm Stress: 2,33 N/mm² (calculated); 23,30 N/mm² (permissible)</small>						

Acknowledged Results
Automated calculation
Intuitive operation
Quality assured
Customizable
User-Friendly

Software for Experts

Features/Functions:

- ▶ Fall-proof glazing with proof of impact resistance
- ▶ Walk-on and walk-off glazing
- ▶ Snow load module with zip code list for Switzerland
- ▶ Symmetrical and asymmetrical VSG
- ▶ Membrane stress effect for non-linear load-bearing behavior
- ▶ Consideration of shear bond for VSG
- ▶ Optimization of glass thicknesses (proposal module and size matrix)
- ▶ Load case breakage
- ▶ Exceptional load case for avalanche pressure
- ▶ Maximum edge load in edge bond of insulating glazing
- ▶ Maximum chord shortening
- ▶ Interface to ERP systems