


GLASGLOBAL® AGSB

GLASGLOBAL® AGSB is the expert software for the calculation of glazing according to Austrian standard.

With only a few entries you will receive the static proof of your glazing according to ÖNORM.

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	Thick ness		
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			
0,10 kN/m²		-	0,10 kN/m²	ASTM E1300, Table X4.1: Load Duration 3 s		
0,00 kN/m²		-	0,00 kN/m²	> 1 year -> 3 s Temperature 50°C		
Factorized		-	0,00 kN/m²	Factor = 1/0,31 = 3,23		
Wind load						
1,00 kN/m²						
Factorized		1,00 kN/m²		Manual input		Load Duration 3 s Temperature 50°C
Line load						
1,00 kN/m		Location above FFL 779 mm		ASTM E1300, Table X4.1: Load Duration 3 s		
Factorized		1,56 kN/m		Load on outer pane (Pressure)		60 min -> 3 s Temperature 50°C
				Factor = 1/0,64 = 1,56		
Point load						
0,00 kN		x = 195 y = 390		ASTM E1300, Table X4.1: Load Duration 3 s		
Factorized		0,00 kN		contact area 50 x 50 mm		60 min -> 3 s Temperature 50°C
				Factor = 1/0,64 = 1,56		
Proof OK (2,33 N/mm² < 23,30 N/mm²)						
<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:

- ▶ Anti-fall glazing
- ▶ Walk-on and walk-through glazing
- ▶ Glazing in elevator construction
- ▶ FEM core for calculation of point and clamp supports
- ▶ Wind and snow load module with zip code directory for Austria
- ▶ 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 of the upper pane in horizontal glazing
- ▶ Maximum edge load in edge seal of insulating glazing
- ▶ Maximum chord shortening