

ALBERT GENAU - Smart Glazing Solutions  
R&D Test Department

**TEST CERTIFICATE NO. 231409 – S1**

**Test Date** June 11, 2023

**Product Name** AG Premium Veranda System

**Type** Framework aluminum system that work for 3 axis, contains glass panels (5.5.2 Laminated – 10,76mm) on top surface between vertical aluminum beams.

**Dimension** (W x L x H) 4000 x 3000 x 2500 mm

**Performance** According to test report No. 231409 – A1  
June 08, 2023 AG R&D Department FEA DSS  
Method  
**Snow Load Analysis**

**Measurement of max deflection**  
**According to test report No.**  
**231409 – A1**

Snow Load = 165 kg/m<sup>2</sup>

**Max Deflection = 23,48 mm**



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R&D Test Engineer



Tolga AKGÜNDÜZ  
R&D Manager

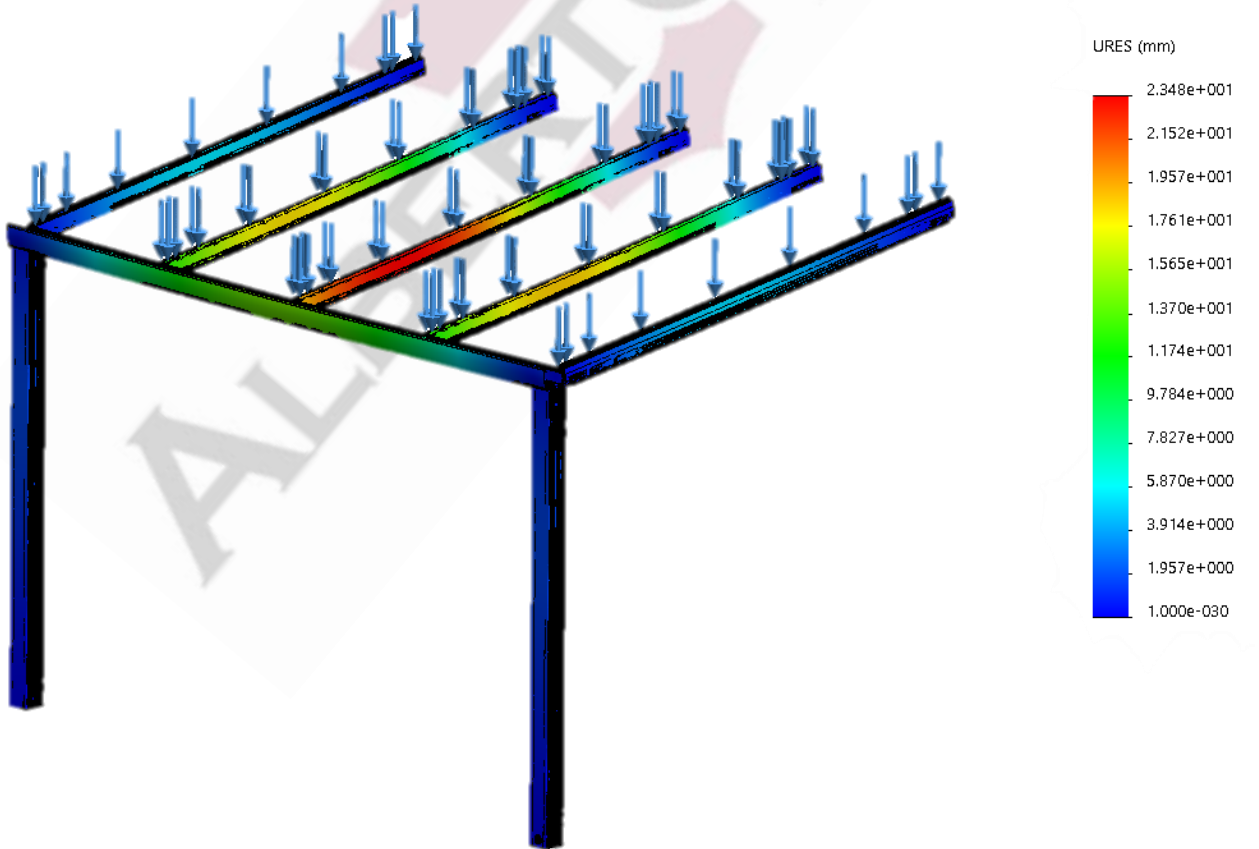
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### ADDITION

Some important details;

- At this analysis, this system **not** contain any support profile or any other component for supporting beams or gutters. However the system **originally has a beam support** profile as an option. In case of using the supporting profile, deflection values will be decrease as expected.
- Total load for 12sqm applied equally to all area and the force applied to aluminum profiles only. Glass weight added to the force value and glass is included in the analysis as (5.5.2 Laminated).



-FEA Analysis Deflection Result Image-