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Characteristics of Calculation of Flat Glass in Translucent Structures

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Keywords

1=Glass structure 2=Load 3=Glass fracture 4=Flat glass strength 5=Glass stress

Abstract

When designing translucent and protective structures the flat glass should be calculated for temperature, mechanical and shock attacks. But today there are no flat glass calculation methods for the above mentioned loads.

In the Testing Center of "Samarastroyispytaniya" (Russia) the calculation formula was derived and the methods for flat glass strength and flat glass flexure at cross bending were designed as a result of theoretical and experimental research. The given methods were successfully applied at designing of many translucent structures in Russia.