SUPPLEMENTARY MATERIAL TO

**The influence of the annealing mode on stress elimination in the foam glass structure**

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(Fig. /// of the Supplementary material to this paper)



a)



b)



c)

Fig. S-1. Stresses during cooling of foam glass with different speeds: a) 100 ºC min-1; b) 10 ºC min-1; c) 1 ºC min-1. Layers: ♦ – upper, ■ – center, ● – bottom.



Fig. S-2. The temperature difference of the subsurface layer of the sample depending on various temperatures from the onset of cooling, initial annealing temperature: ■ – 600 °C, ♦ – 700 °C, ▲ – 800 °C, ● – 900 °C.

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a)

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b)

Fig. S-3. The viscosity of the layers depending on different temperatures at the beginning of cooling: a) the viscosity of the subsurface layer, initial annealing temperature; b) the viscosity of the Central layer, initial annealing temperature. ● – 600 °C, ■ – 700 °C, ♦ – 800 °C, ▲ – 900 °C.



a)



b)

Fig. S-4. Stresses in foam glass during cooling of foam glass with different initial annealing temperatures: a) surface layer, initial annealing temperature b) the central layer, initial annealing temperature. ■ – 600 °C, ♦ – 700 °C, ▲ – 800 °C, ● – 900 °C.



Fig. S-5. Stresses in foam glass, layers: ● – subsurface, ■ – center.

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Fig. S-6. The viscosity of the layers of foam glass, layers: ● – subsurface, ■ – center.

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Fig. S-7. The temperature of the layers of foam glass, layers: ● – subsurface, ■ – center.

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