

Supplementary material

Eco-Friendly Coal Gangue and/or Metakaolin-Based Lightweight Geopolymer with the Addition of Waste Glass

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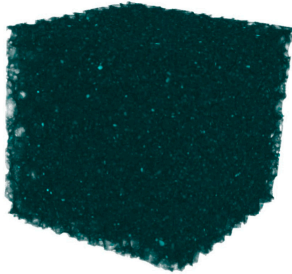
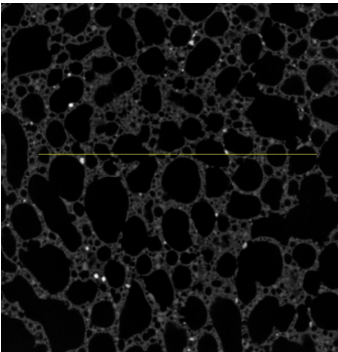
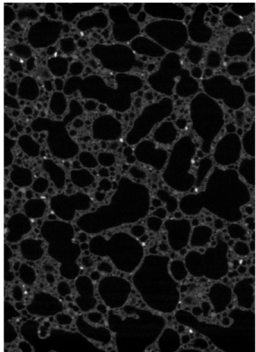
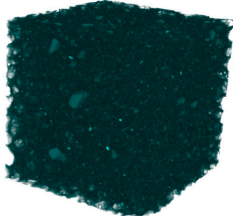
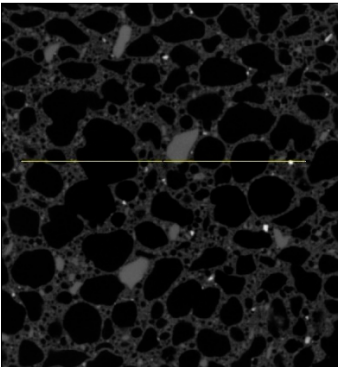
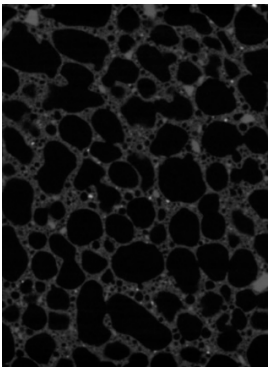
² NETZSCH (Netzsch Instrumenty Sp. z o.o.), Halicka 9, 31-036 Kraków, Poland; krzysztof.hodor@netzsch.com (K.H.)

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Table S1. Chemical composition of geopolymer foams.

Chemical compound	C	CG	M	MG	CMG
SiO ₂	55.957	56.680	61.012	61.026	61.299
Al ₂ O ₃	18.075	14.622	28.684	27.562	21.301
Fe ₂ O ₃	11.654	11.797	1.650	1.596	5.350
CaO	8.067	11.189	6.356	7.654	8.466
K ₂ O	2.823	2.700	1.253	1.139	1.690
SO ₃	1.906	1.520	0.485	0.497	1.059
TiO ₂	1.135	1.075	0.372	0.345	0.600
MnO	0.126	0.140	0.033	0.038	0.066
V ₂ O ₅	0.065	0.061	0.021	0.017	0.033
SrO	0.061	0.063	0.027	0.029	0.041
Cr ₂ O ₃	0.035	0.040	0.011	0.010	0.018
ZrO ₂	0.033	0.034	0.016	0.016	0.025
ZnO	0.026	0.028	0.013	0.012	0.016
CuO	0.015	0.014	0.008	0.007	0.009
Ga ₂ O ₃	0.007	-	0.010	0.007	0.007
NbO	0.003	-	0.003	0.002	0.002

Table S2. 3D view of the sample, 2D view of the sample (first slice), slice perpendicular to the marked yellow line.

Samples designation	C			
	CG			
	CMG	