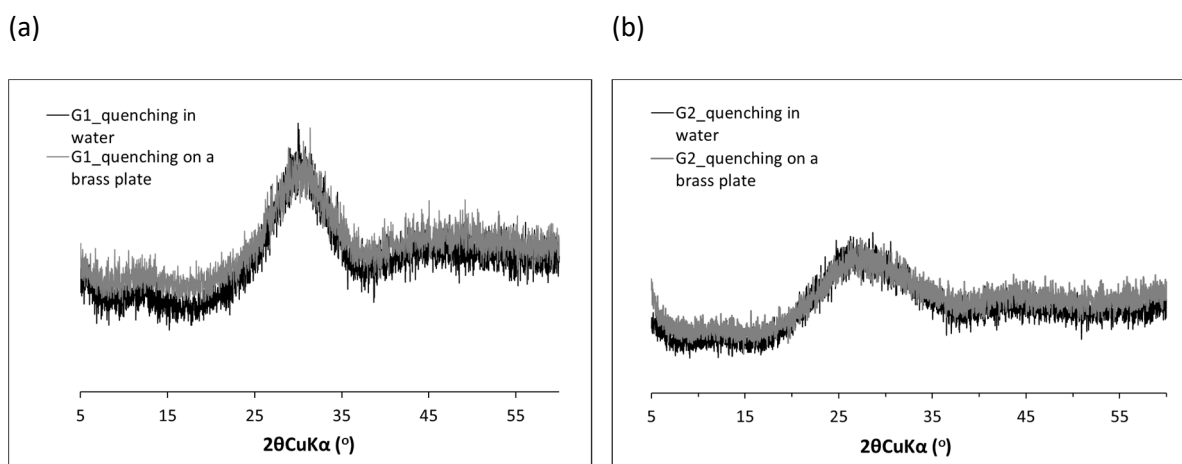


## SUPPLEMENTARY MATERIAL

# Influence of accelerating admixtures on the reactivity of synthetic aluminosilicate glasses

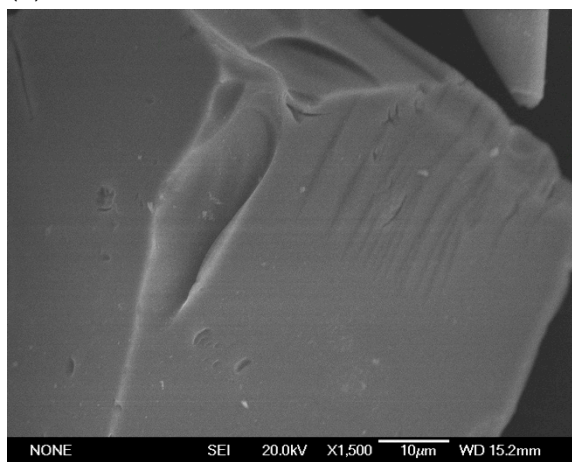
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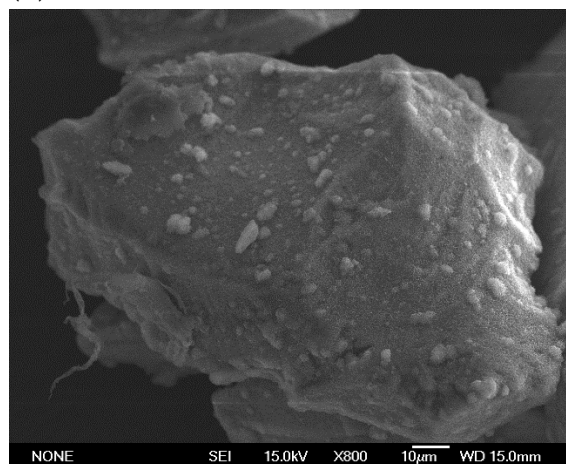


**Figure. S1.** X-ray powder diffraction (XRD) of (a) G-1 and (b) G-2 with and without the quenching method.

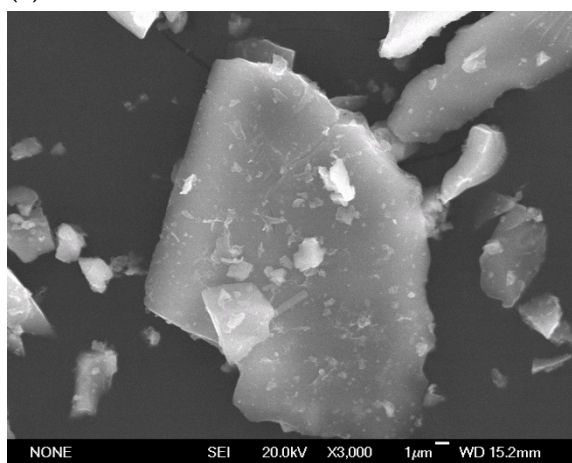
(a)



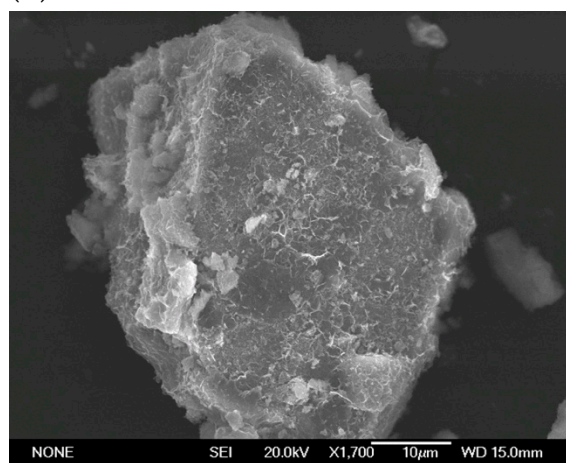
(b)



(c)



(d)



**Figure S2.** SEM images of (a) G-1 in 0.1M NaOH; (b) G-1 in 1M NaOH; (c) G-2 in 0.1M NaOH and (d) G-2 in 1M NaOH.

**Table S1.** Calculated saturation indexes of CNASH and Portlandite for after the dissolution test of G1 and G2 in far from equilibrium solutions in presence of the different chemical admixtures.

		Solid	No admixture	0.02% DEIPA	0.02% TIPA	0.3% NaSCN	0.3% Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	2% Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
G-1	NaOH 0.1M	CNASH	1.2929	1.2646	1.1580	1.1911	1.1984	1.0465
	NaOH 1M	CNASH	2.0398	1.1701	1.5555	1.7354	1.2281	3.8660
		Portlandite	0.1947	-	0.0829	0.1063	0.0007	0.1557
G-2	NaOH 0.1M	CNASH	1.0327	1.0377	1.0900	0.9564	1.0175	1.0196
	NaOH 1M	CNASH	1.0198	1.0482	1.3702	1.2736	1.0345	1.0668