Sample	Si/Ge ratio	W(Si), %	W(Ge), %	W(AI), %
UOV-1.5	3.14	30.07	24.70	
UOV-1.5-Al-80-5min	10.9	39.76	9.43	0.73
UOV-1.5-Al-80-24h	14.6	40.54	7.16	1.58
UOV-1.5-Al-80-96h	17.6	40.40	5.95	2.66
UOV-1.5-Al-80-7d	19.9	32.13	4.16	1.69
UOV-1.5-Al-80-15d	14.1	31.80	5.82	1.44
UOV-1.5-Al-175-24h	13.3	37.76	7.34	4.58
Al-UOV-1.5	4.8	34.04	18.42	0.35
UOV-0.5	2.33	26.75	29.70	
UOV-0.5-Al-80-5min	9.7	38.07	10.17	2.08
UOV-0.5-Al-80-24h	15.8	39.78	6.51	2.94
UOV-0.5-Al-80-96h	15.9	39.77	6.48	2.97
UOV-0.5-Al-80-7d	18.1	34.72	4.96	2.27
UOV-0.5-Al-80-15d	14.7	35.47	6.22	2.06
UOV-0.5-Al-175-24h	27.9	41.86	3.88	2.57
AI-UOV-0.5	5.2	34.56	17.09	0.78

Table SI-1: Chemical composition of UOV-AI and AI-UOV samples

Figures SI-1. The graph of decrease in (020) intralayer signal intensity for UOV aluminated samples. For the reference the intensity of (013) intralayer signals for UOV-n-Al-80-24h was used. Position of this signal remains intact after the all treatment.



Figures SI-2. XRD patterns of UOV-0.5-AI-80-5min and UOV-0.5-AI-80-4 days after calcination.



Figure SI-3. ²⁷Al MAS NMR of (top) UOV-1.5-Al-80-5mins; (bottom) UOV-1.5-Al-80-4days; all experiments were acquired at a spinning speed of 15 kHz in a magnetic field of 11.74 T.



Figure SI-4. ²⁷AI MAS NMR of (top) UOV-0.5-AI-175-1day; (bottom) UOV-1.5-AI-175-1day; all experiments were acquired at a spinning speed of 15 kHz in a magnetic field of 11.74 T.



Figure SI-5. ²⁹Si MAS NMR of (top) UOV-0.5-AI-80-5min; (bottom) UOV-0.5-AI-80-5min-calc; all experiments were acquired at a spinning speed of 10 kHz in a magnetic field of 11.74 T; approximately the same amount of sample was packed into the rotors and similar experimental conditions were applied.



Figure Si-6. ²⁹Si MAS NMR of (top) UOV-0.5-Al-80-4days; (bottom) UOV-0.5-Al-80-4days-calc; all experiments were acquired at a spinning speed of 10 kHz in a magnetic field of 11.74 T; approximately the same amount of sample was packed into the rotors and similar experimental conditions were applied.

