

# Stability of Octadecyltrimethoxysilane- Based Coatings on Aluminum Alloy Surface

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Table S1. Elemental composition of alloy AA24.(from: ASM Aerospace Specifications Metals Inc.).

Element	Cu	Mg	Fe	Mn	Si	Cr	Zn	Ti	Others	Al
Weight %	3.8- 4.9	1.2- 1.8	< 0.5	0.3- 0.9	< 0.5	< 0.1	< 0.25	< 0.15	< 0.15	90.7 – 94.7

Table S2. Surface roughness of samples 1-3 evaluated by surface profiler

Sample	1	2	3
R <sub>a</sub> (nm)	310 ±15	351 ±19	342 ±20
RMS (nm)	321 ±21	355 ±25	349 ±28