

Supplementary Materials

Table S1. Media-specific surface roughness (Sa in μm) of the different specimens: BRILLIANT Crios (BR), CERASMART (CE), Grandio blocs (GR), Lava Ultimate (LA), SHOFU Block HC (SH).

Specimen	Media	Sa (Mean t_0)	Sa (Mean t_1)	$\Delta t_1 - t_0$	Standard deviation	<i>p</i> Value
BR	M _{H2O}	0.012	0.014	0.002	0.001	<0.001
	M _{TW}	0.011	0.011	−0.001	0.001	0.157
	M _{AcOH}	0.011	0.012	0.002	0.001	0.010
	M _{HCl}	0.010	0.011	0.001	0.001	0.023
CE	M _{H2O}	0.009	0.015	0.004	0.001	<0.001
	M _{TW}	0.008	0.014	−0.001	0.001	0.180
	M _{AcOH}	0.010	0.009	0.006	0.002	0.012
	M _{HCl}	0.012	0.016	0.007	0.003	0.011
GR	M _{H2O}	0.014	0.016	0.002	0.001	0.004
	M _{TW}	0.014	0.014	0.000	0.000	0.351
	M _{AcOH}	0.014	0.016	0.003	0.001	0.010
	M _{HCl}	0.013	0.015	0.002	0.000	0.007
LA	M _{H2O}	0.017	0.014	−0.003	0.004	0.088
	M _{TW}	0.012	0.011	−0.001	0.003	0.394
	M _{AcOH}	0.010	0.014	0.004	0.004	0.058
	M _{HCl}	0.030	0.014	−0.016	0.017	0.018
SH	M _{H2O}	0.036	0.011	−0.025	0.009	0.012
	M _{TW}	0.023	0.018	−0.005	0.005	0.020
	M _{AcOH}	0.028	0.038	0.010	0.009	0.022
	M _{HCl}	0.030	0.026	−0.004	0.004	0.025

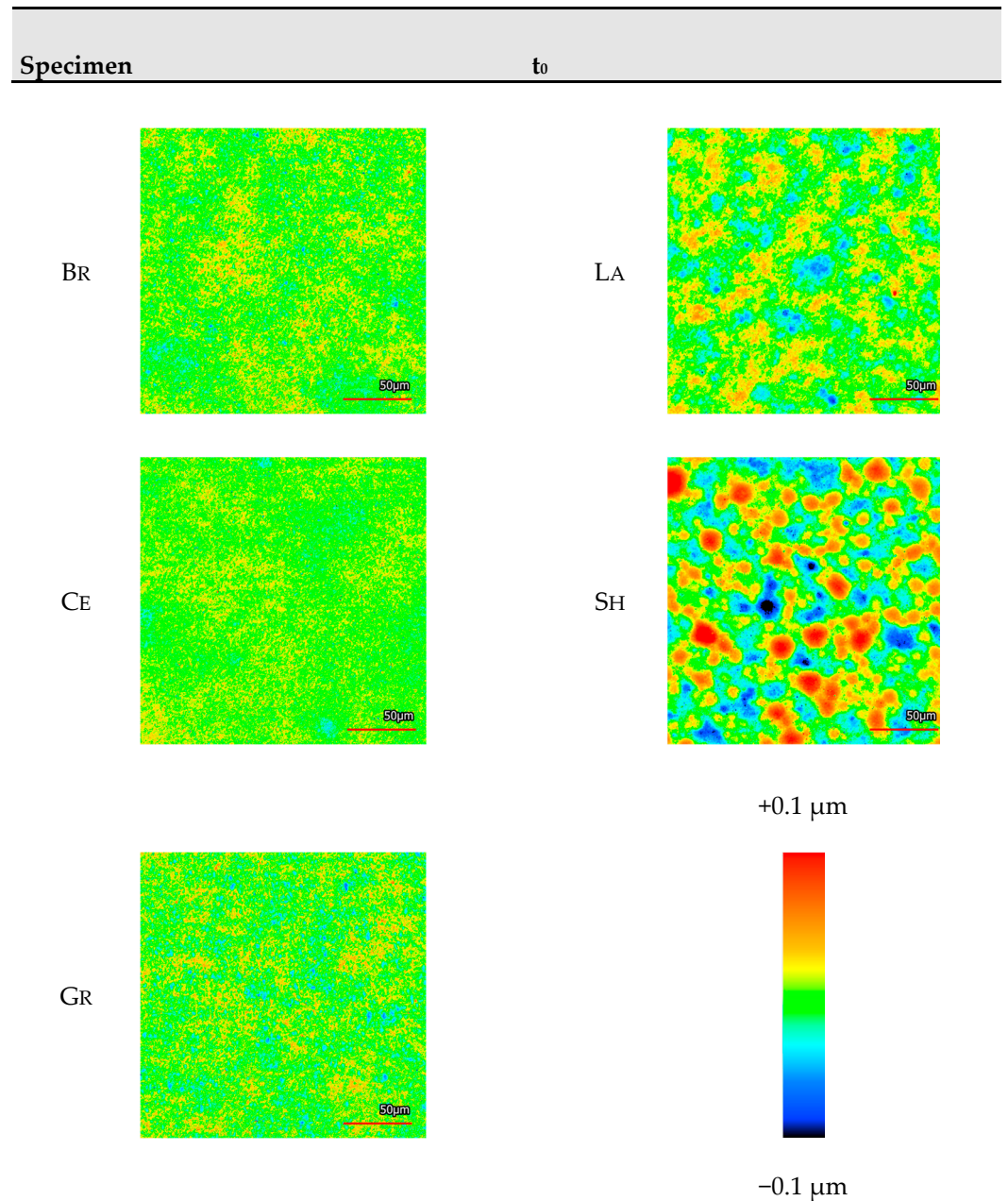


Figure S1. Surface of the CAD/CAM resin composite specimen before (t_0) immersion in the different media. Representative surface renderings are shown in height-scaled false colours. A pronounced heterogeneity can be observed in the surfaces of SH compared to the other CAD/CAM resin composites: BRILLIANT Crios (BR), CERASMART (CE), Grandio blocs (GR), Lava Ultimate (LA), SHOFU Block HC (SH).

Table S2. Media-specific Vickers hardness (HV) of the different specimens.

Specimen	Media	HV (Mean t ₀)	HV (Mean t ₁)	Δ_{t1-t0}	Standard deviation	<i>p</i> Value
BR	M _{H2O}	79.3	77.1	-2.2	3.9	0.434
	M _{TW}	82.0	77.3	-4.7	1.8	0.109
	M _{AcOH}	84.6	78.5	-6.1	6.0	0.220
	M _{HCl}	81.5	79.1	-2.4	0.2	0.003
CE	M _{H2O}	80.5	79.0	-1.5	6.9	0.750
	M _{TW}	84.2	91.9	7.7	7.6	0.219
	M _{AcOH}	69.7	74.9	5.3	3.1	0.109
	M _{HCl}	77.6	72.4	-5.2	2.0	0.044
GR	M _{H2O}	161.5	145.4	-16.1	26.8	0.408
	M _{TW}	147.5	152.5	5.0	7.4	0.362
	M _{AcOH}	148.7	161.6	12.9	5.1	0.047
	M _{HCl}	157.6	146.6	-11.0	5.6	0.075
LA	M _{H2O}	114.5	116.4	2.0	5.2	0.582
	M _{TW}	118.2	106.5	-11.7	8.1	0.109
	M _{AcOH}	113.3	114.0	0.7	3.5	0.751
	M _{HCl}	112.0	111.9	-0.1	3.4	0.958
SH	M _{H2O}	78.9	83.0	4.1	6.9	0.285
	M _{TW}	66.8	66.5	-0.4	1.6	0.742
	M _{AcOH}	78.7	75.9	-2.8	1.6	0.095
	M _{HCl}	70.5	76.8	6.3	0.2	< 0.001