

# Supplementary Materials

**Table s1.** Ra ± DS (µm) of the cleaned surfaces. See Table 1 for samples' nomenclature.

<b>VILACHAN granite</b>		
	Samples' nomenclature	Ra (µm)
Disc cutting surface	VD	26.50 ± 3.18
Disc cutting surface with blue graffiti	VDB	9.49 ± 2.58
Disc cutting surface with silver graffiti	VDS	10.48 ± 5.09
Bush-hammering	VU	195.60 ± 25.66
Bush-hammering surface with blue graffiti	VUB	63.75 ± 35.22
Bush-hammering surface with silver graffiti	VUS	89.23 ± 6.92
Disc-cutting surface	-	-
<i>Hydrogommage</i>	VDH	57.29 ± 9.95
<i>IBX</i>	VDI	67.94 ± 20.02
Dry-ice	VDD	30.53 ± 4.74
Bush hammering surface	-	-
<i>Hydrogommage</i>	VUH	134.47 ± 46.97
<i>IBX</i>	VUI	130.53 ± 39.41
Dry-ice	VUD	93.73 ± 7.99
Disc-cutting surface with blue graffiti	-	-
<i>Hydrogommage</i>	VDBH	43.48±3.78
<i>IBX</i>	VDBI	49.91±10.56
Dry-ice	VDBD	20.23±3.32
Bush hammering surface with blue graffiti	-	-
<i>Hydrogommage</i>	VUBH	127.40±18.28
<i>IBX</i>	VUBI	147.77±18.94
Dry-ice	VUBD	87.24±16.16
Disc-cutting surface with silver graffiti	-	-
<i>Hydrogommage</i>	VDSH	13.49±2.40
<i>IBX</i>	VDSI	43.75±9.61
Dry-ice	VSD	24.18±2.48
Bush-hammering surface with silver graffiti	-	-
<i>Hydrogommage</i>	VUSH	99.64 ± 32.17
<i>IBX</i>	VUSI	81.07 ± 16.65
Dry-ice	VUSD	78.55±13.47
<b>LIOZ limestone</b>		
Disc cutting surface	LD	12.20 ± 0.90
Disc cutting surface with blue graffiti	LDB	7.58 ± 3.15
Disc cutting surface with silver graffiti	LDS	4.94 ± 1.24
Bush-hammering	LU	66.34 ± 20.51
Bush-hammering surface with blue graffiti	LUB	48.83 ± 6.03
Bush-hammering surface with silver graffiti	LUS	47.50 ± 4.16
Disc-cutting surface	-	-
<i>Hydrogommage</i>	LDH	10.70 ± 1.01
<i>IBX</i>	LDI	16.39 ± 1.84
Dry-ice	LDD	9.06 ± 2.11
Bush hammering surface	-	-
<i>Hydrogommage</i>	LUH	57.00 ± 9.75

**Table s1. Cont.**

<b>LIOZ limestone</b>		
IBX	LUI	145.53 ± 16.09
Dry-ice	LUD	112.87 ± 57.06
Disc-cutting surface with blue graffiti	-	-
<i>Hydrogommage</i>	LDBH	8.02 ± 1.02
IBX	LDBI	9.82 ± 0.70
Dry-ice	LDBD	12.66 ± 2.56
Bush hammering surface with blue graffiti	-	-
<i>Hydrogommage</i>	LUBH	91.23 ± 3.79
IBX	LUBH	60.69 ± 7.36
Dry-ice	LUBD	48.82 ± 13.45
Disc-cutting surface with silver graffiti	-	-
<i>Hydrogommage</i>	LDSH	7.46 ± 1.44
IBX	LDSI	12.17 ± 1.65
Dry-ice	LSD	13.80 ± 4.06
Bush-hammering surface with silver graffiti	-	-
<i>Hydrogommage</i>	LUSH	42.27 ± 11.95
IBX	LUSI	39.32 ± 14.26
Dry-ice	LUSD	72.31 ± 15.12