

Table S1. The absorbed amount of products in the stone specimens

Samples	Absorbed amounts (g/m ²)
PDMS_LS	24.5 ±0.5
Zn-Zr-PDMS_LS	23.6 ±0.6
PDMS_B	16.8 ±0.9
Zn-Zr-PDMS_B	15.6 ±0.5
PDMS_M	8.4 ±0.2
Zn-Zr-PDMS_M	8.8 ±0.2

Table S2. Contact angle measurements of treated stones before and after ageing processes

Samples	α (°)		
	Before ageing	Humid chamber ageing (RH>80%, T=22±3 °C)	Artificial solar ageing (300 W, 1000 h)
PDMS_LS	111 ±1	97 ±4	100 ±2
Zn-Zr-PDMS_LS	131 ±2	125 ±3	128 ±2
PDMS_B	128 ±1	120 ±1	122 ±1
Zn-Zr-PDMS_B	136 ±2	130 ±1	129 ±3
PDMS_M	98 ±2	95 ±1	98 ±1
Zn-Zr-PDMS_M	107 ±3	100 ±2	103 ±1