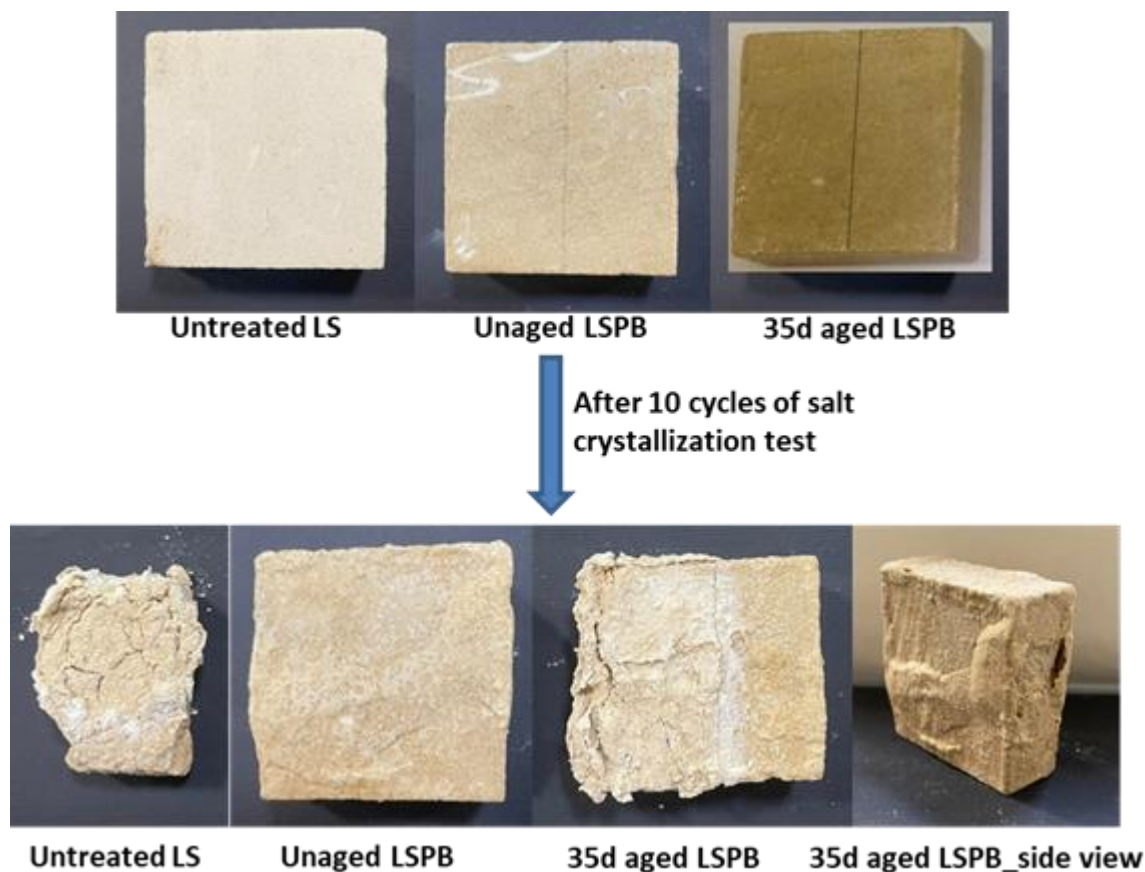


**Table S1.** Contact angle ( $\alpha$ ) measurements of coated stones after oven ageing cycles.

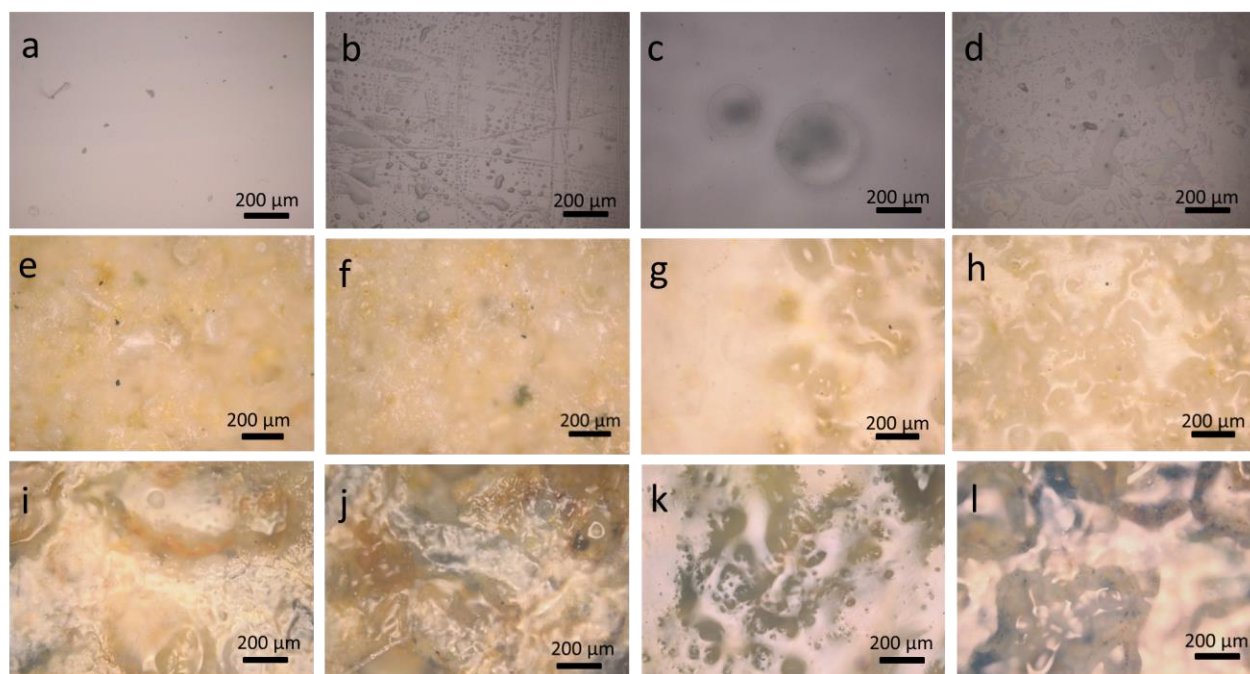
Samples	$\alpha$ (°)			
	Unaged	12 days	25 days	35 days
LSPB	91 $\pm$ 3	87 $\pm$ 2	80 $\pm$ 2	76 $\pm$ 3
ASPB	111 $\pm$ 5	104 $\pm$ 3	91 $\pm$ 2	87 $\pm$ 1

**Figure S1.** Different samples of LS before and after salt crystallization test.**Table S2.** The dissolving efficiency of organic solvents towards Paraloid B-72 polymer on glass supports.

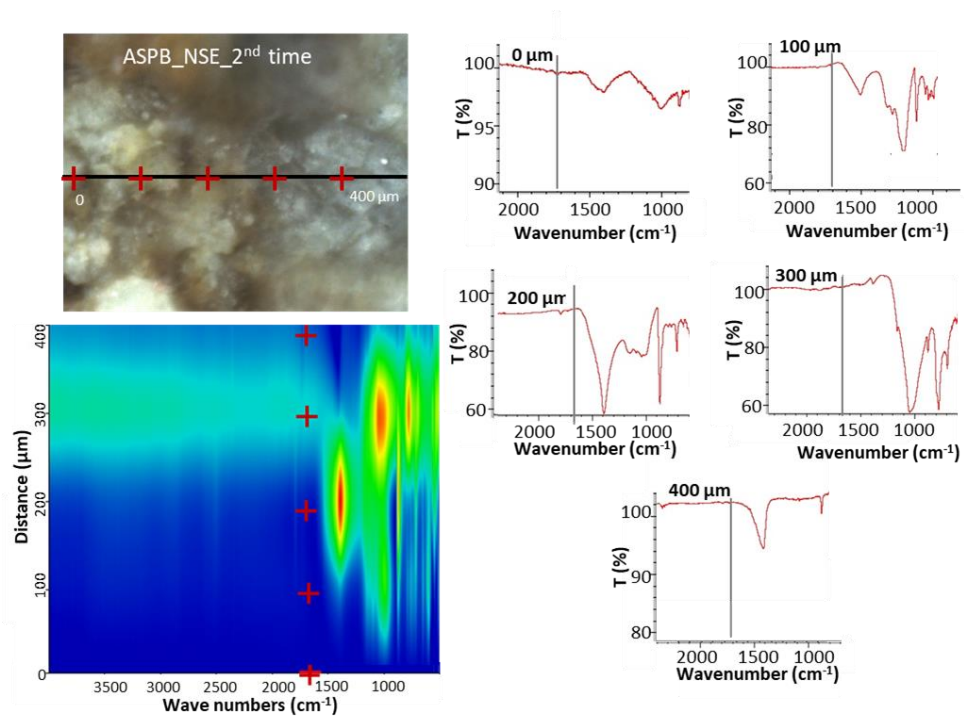
Cleaning agent	Unaged		12d aged		25d aged		35d aged	
	Appear.	Remo.	Appear.	Remo.	Appear.	Remo.	Appear.	Remo.
Ethyl acetate	Dewetted	✓	Dewetted	✓	Dewetted	✓	Dewetted	✓
2-Butanone	Dewetted	✓	Dewetted	✓	Dewetted	✓	Dewetted	✓
Butyl acetate	Dewetted	✓	Dewetted	✓	Dewetted	✓	Partially swollen	±
2-Butanol	Swollen	±	Partially swollen	±	Partially swollen	±	Partially swollen	±
Water	No change	×	No change	×	No change	×	No change	×
Ethanol	Colour change	×	Colour change	×	Colour change	×	Colour change	×

**Table S3.** The dissolving efficiency of organic solvents towards Paraloid B-72 polymer on LS and AS specimens.

Cleaning agent	Unaged		12d aged		25d aged		35d aged	
	Appear.	Remo.	Appear.	Remo.	Appear.	Remo.	Appear.	Remo.
Ethyl acetate	Dewetted	✓	Dewetted	✓	Dewetted	✓	Dewetted	✓
2-Butanone	Dewetted	✓	Dewetted	✓	Dewetted	✓	Dewetted	✓
Butyl acetate	Dewetted	✓	Dewetted	✓	Dewetted	✓	Partially swollen	±
2-Butanol	Swollen	±	Partially swollen	±	Partially swollen	±	Partially swollen	±
Water	No change	×	No change	×	No change	×	No change	×
Ethanol	Colour change	×	Colour change	×	Colour change	×	Colour change	×



**Figure S2.** Unaged, and 35d aged polymer coated samples before, and after cleaning with EcoSurf-H<sub>2</sub>O, respectively: (a,b) unaged glass samples; (c,d) 35d aged glass samples; (e,f) unaged LS; (g,h) 35d aged LS; (i,j) unaged AS; (k,l) 35d aged AS.



**Figure S3.** Micro-FTIR (ATR mode) mapping on cleaned surfaces of AS.