coatings

Supplementary Materials: Modified Graphene-FEVE Composite Coatings: Application in the Repair of Ancient Architectural Color Paintings

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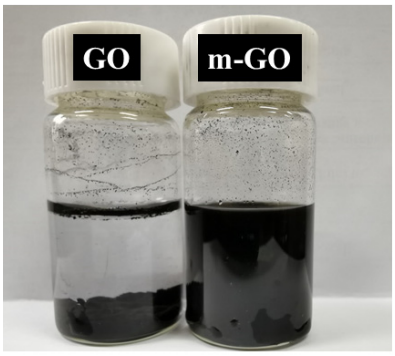

Figure S1. Images of water dispersion (0.001 g/mL) of m-GO and GO after 120 h.

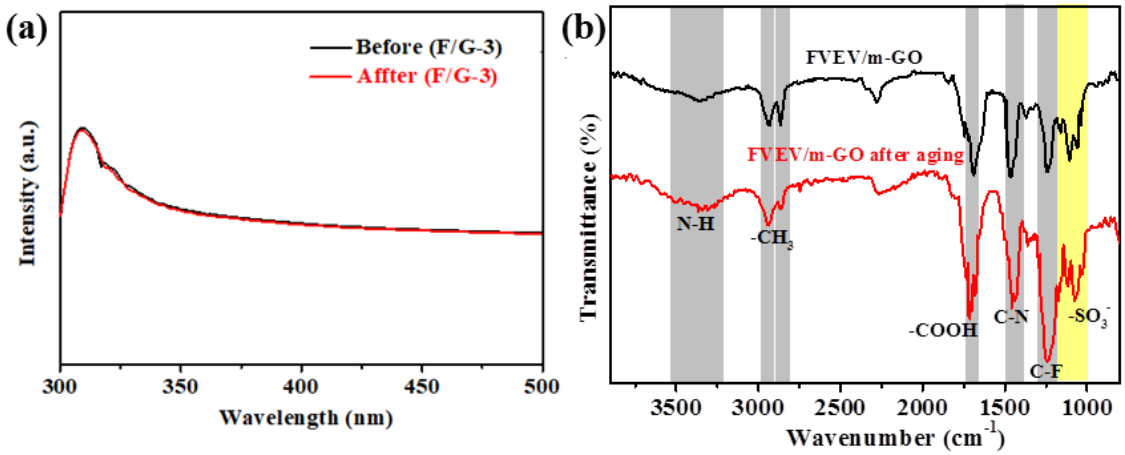

Figure S2. (**a**) UV spectra and (**b**) FT-IR spectra of FEVE/m-GO films before and after aging. (The gray area represents the functional group from FEVE, and the yellow area represents the functional group of m-GO).

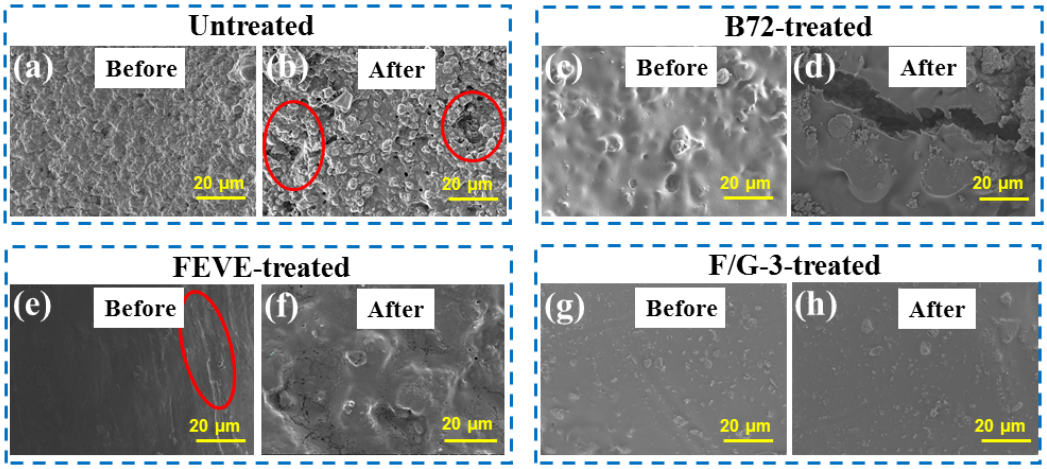

Figure S3. SEM of samples before and after aging experiments.

Table S1. EDX of samples before and after aging experiments.

Samples	Main Elements of EDX Spectrum (wt.%)						
	C (%)	O (%)	F (%)	Si (%)	Ca (%)	Al (%)	Na (%)
Untreated	20.60	30.03	-	15.68	13.38	11.68	8.63
Untreated-aging	23.32	25.41	-	14.32	14.92	12.22	9.81
B72	35.32	61.85	-	2.83	-	-	-
B72-aging	33.48	45.12	-	8.31	8.14	3.31	1.64
FEVE	38.32	46.13	13.31	2.24	-	-	-
FEVE-aging	35.18	40.93	12.55	5.83	3.12	1.26	1.13
F/G-3	45.96	38.05	14.13	1.86	-	-	-
F/G-3-aging	46.53	37.32	13.97	2.18	-	-	-