Supporting materials for

**An Attempt to Adopt Aggregation-Induced Emission to Study Organic-Inorganic Composite Coating Materials**

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Fig.S1 $^1$H NMR of TPE-DBTAB
Fig.S2 FTIR spectra of the testing samples, Na⁺-MMT, TPE-DBTAB and TPE-DBTAB modified MMT
**Fig.S3** X-ray diffraction patterns of the testing samples, MMT and TPE-DBTAB modified MMT
Fig.S4 ξ potential of the testing samples, MMT and TPE-DBTAB modified MMT
Fig.S5 TGA result of the testing samples, MMT and TPE-DBTAB modified MMT
Fig.S6 EIS of the dried coating varied with its soaking time