

Supplementary Materials: Influence of the Aspect Ratio of Sodium Iron Titanate Whiskers on the Mechanical and Tribological Performances of Fluorocarbon Composite Coatings

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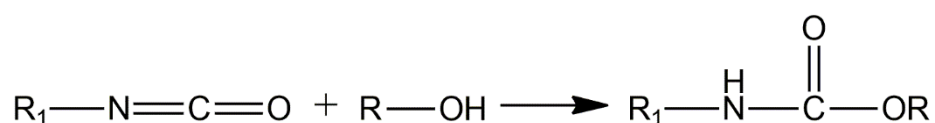


Figure S1. The cross-linking mechanism of the isocyanate groups in the polyisocyanate curing agent with the hydroxyl groups in the FEVE resins.

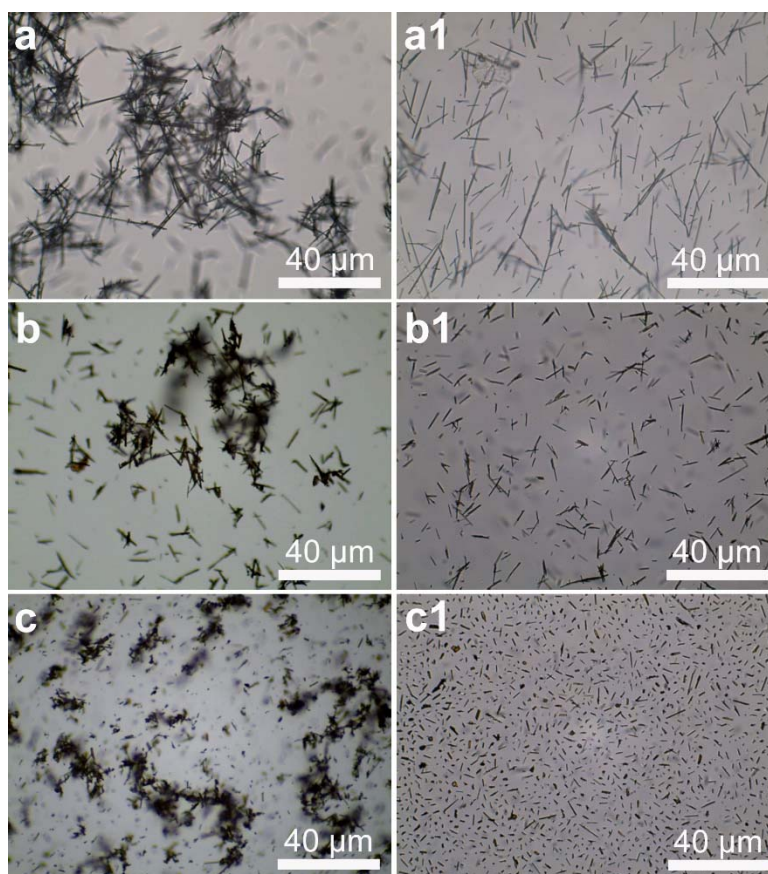


Figure 2. Optical images of the unmodified and unmodified NFTO whiskers dispersed in butyl acetate. (a,a1) Unmodified and modified Whisker L, (b,b1) unmodified and modified Whisker M, and (c,c1) unmodified and modified Whisker S.

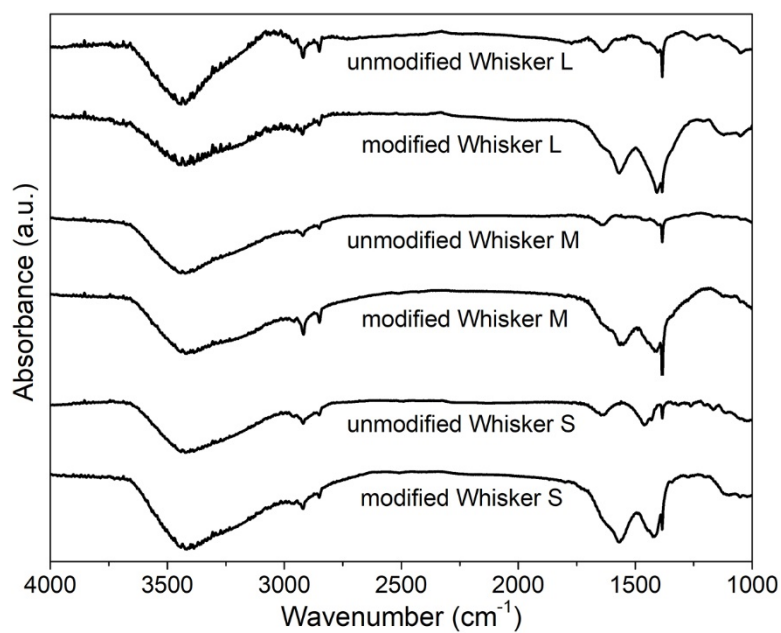


Figure 3. FT-IR spectra of the unmodified and modified NFTO whiskers.

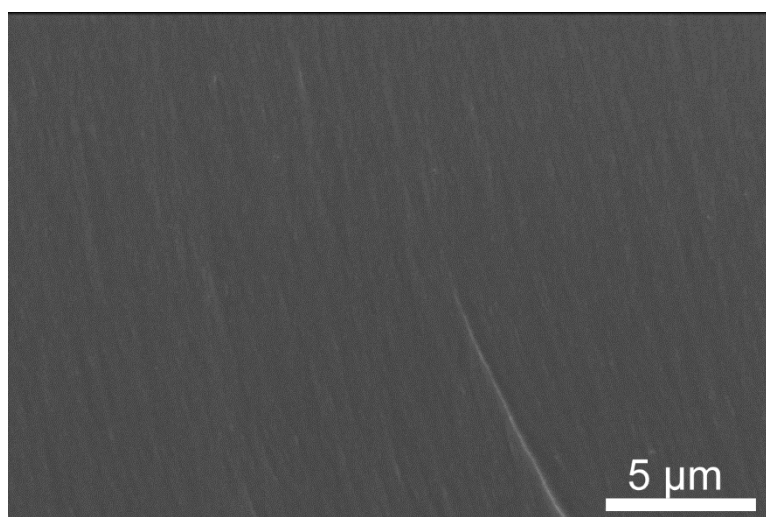


Figure 4. Cross-sectional SEM image of a pure FEVE coating.

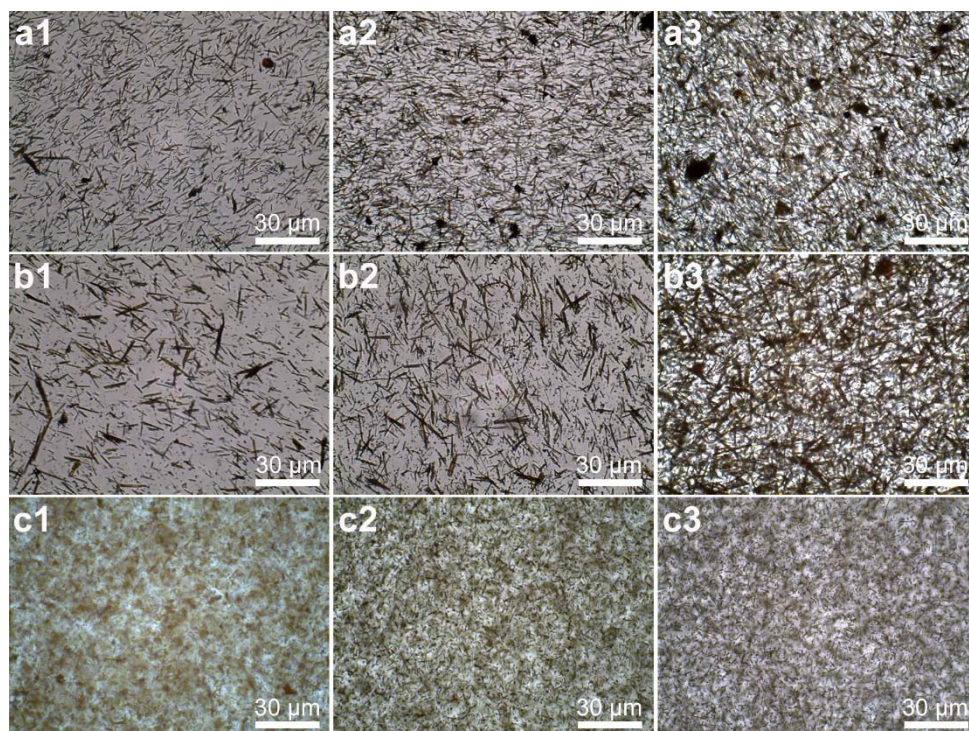


Figure 5. Microscope images of NFTO/FEVE composite paints filled with three types NFTO whiskers: (a1–a3) Whisker L, (b1–b3) Whisker M, and (c1–c3) Whisker S. The fill contents of NFTO whiskers are (a1,b1,c1) 5 wt %, (a2,b2,c2) 10 wt %, and (a3,b3,c3) 15 wt %.



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