

Supplementary materials

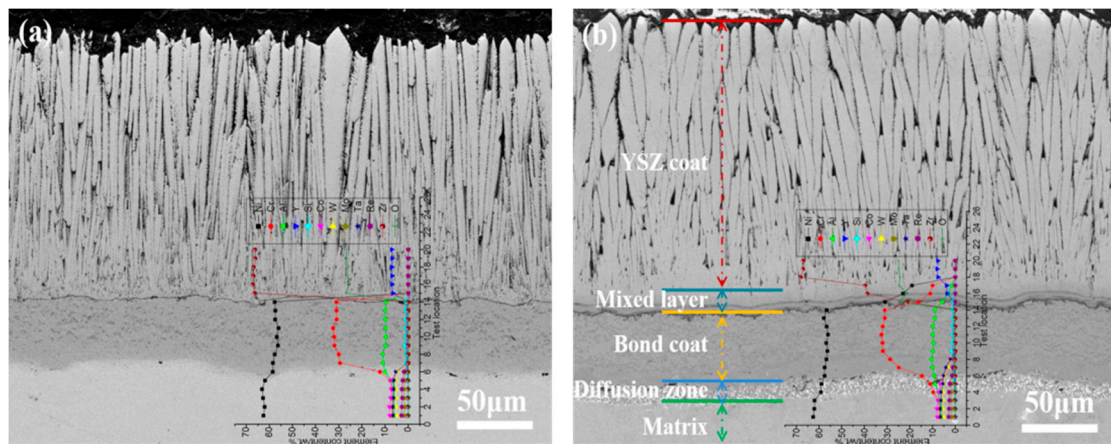


Figure S1: The mixed map by overlaying elemental composition trend on the cross-section microstructure image of the coating before and after gas thermal shock testing. (a) before gas thermal shock testing; (b) after gas thermal shock testing.