

Effect of pre-oxidation on a Ti PVD coated ferritic steel substrate during high-temperature aging.

Supplementary material

M. R. Ardigo-Besnard^a, A. Besnard^b, G. Nkou Bouala^b, P. Boulet^c, Y. Pinot^b Q. Ostorero^a

^a*Laboratoire Interdisciplinaire Carnot de Bourgogne (ICB), UMR 6303 CNRS, Université Bourgogne Franche-Comté, BP 47870, 21078 DIJON Cedex, France*

^b*Arts et Metiers Institute of Technology, LaBoMaP, Université Bourgogne Franche-Comté, HESAM Université, 71250 Cluny, France*

^c*Institut Jean Lamour, UMR CNRS 7198, Université de Lorraine, 54000, Nancy, France*

S1: XRD patterns (Bragg-Brentano conditions) of the ferritic steel oxidized for 100 hours at 800 °C in ambient air.

S2: XRD patterns (Bragg-Brentano conditions) of the Ti coating on Si substrate.

S3: XRD patterns (incidence angle of 2°) of the ferritic steel oxidized for 1 hour at 800 °C in ambient air.

S4: XRD patterns (incidence angle of 2°) of the ferritic steel pre-oxidized for 1 hour at 800 °C in ambient air, coated with Ti and then oxidized for 100 hours at 800 °C in ambient air.

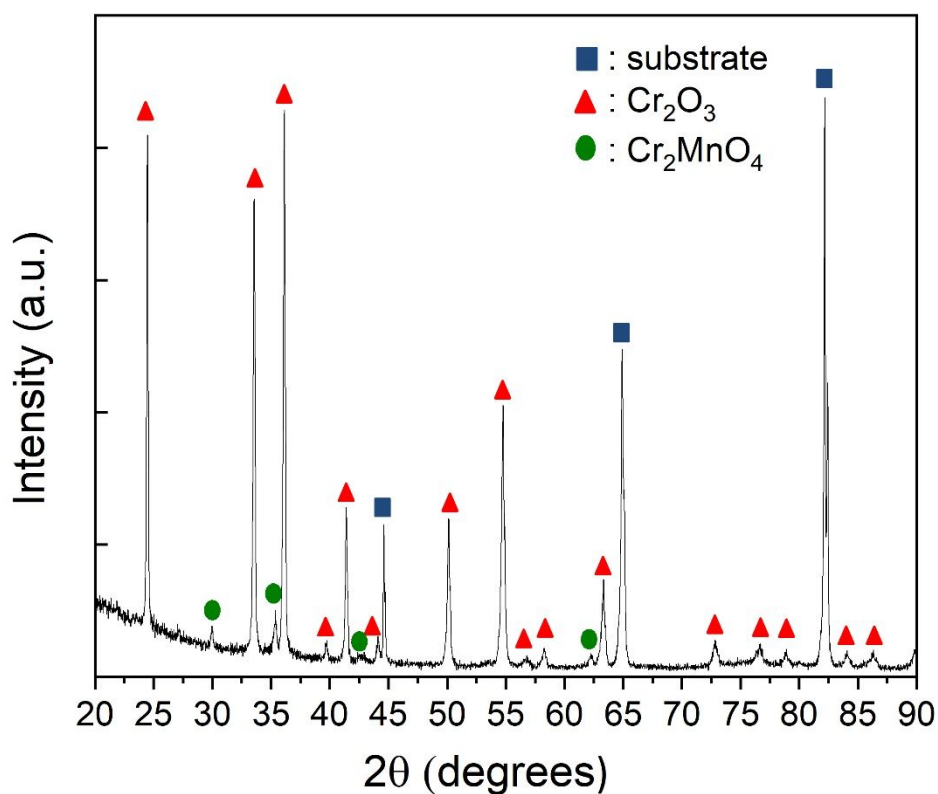


Figure S1: XRD patterns (Bragg-Brentano conditions) of the ferritic steel oxidized for 100 hours at 800 °C in ambient air.

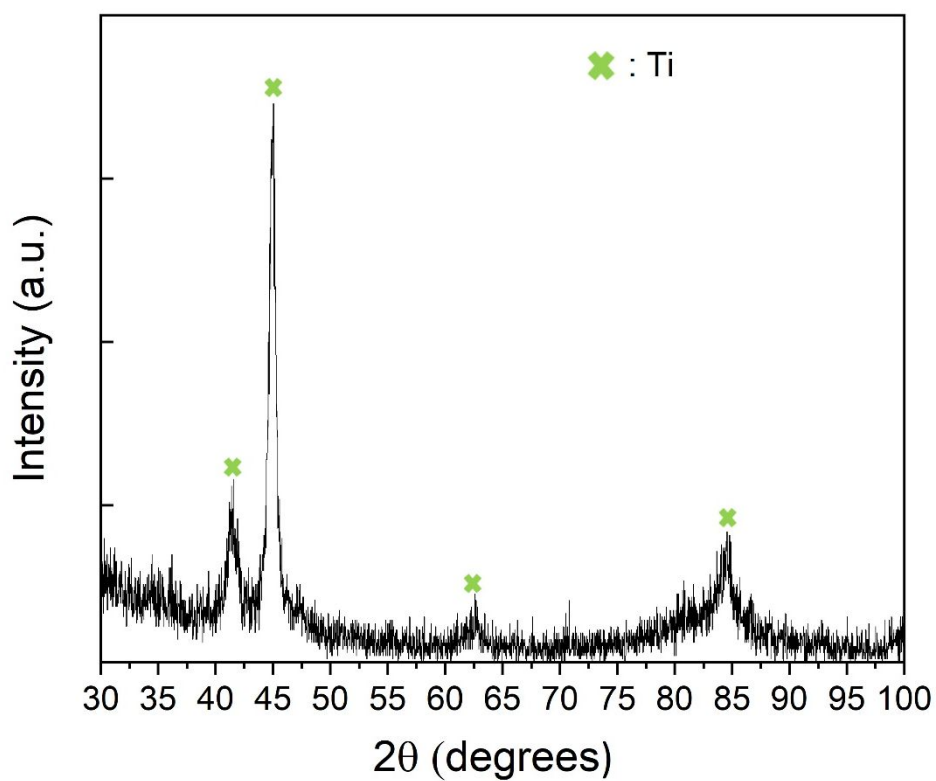


Figure S2: XRD patterns (Bragg-Brentano conditions) of the Ti coating on Si substrate.

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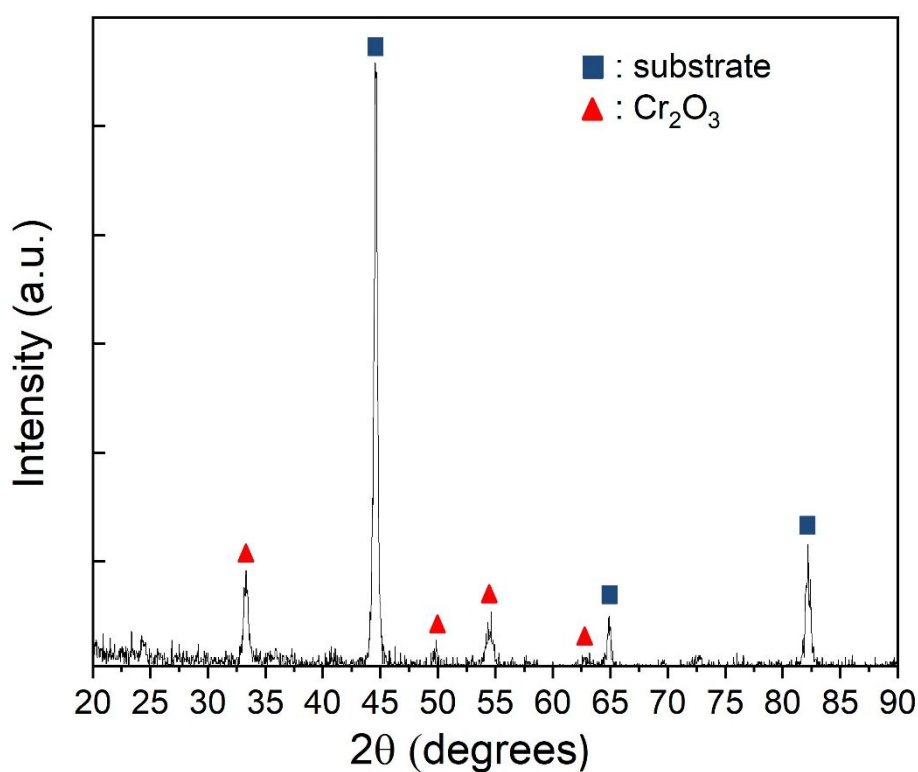


Figure S3: XRD patterns (incidence angle of 2°) of the ferritic steel oxidized for 1 hour at 800 °C in ambient air.

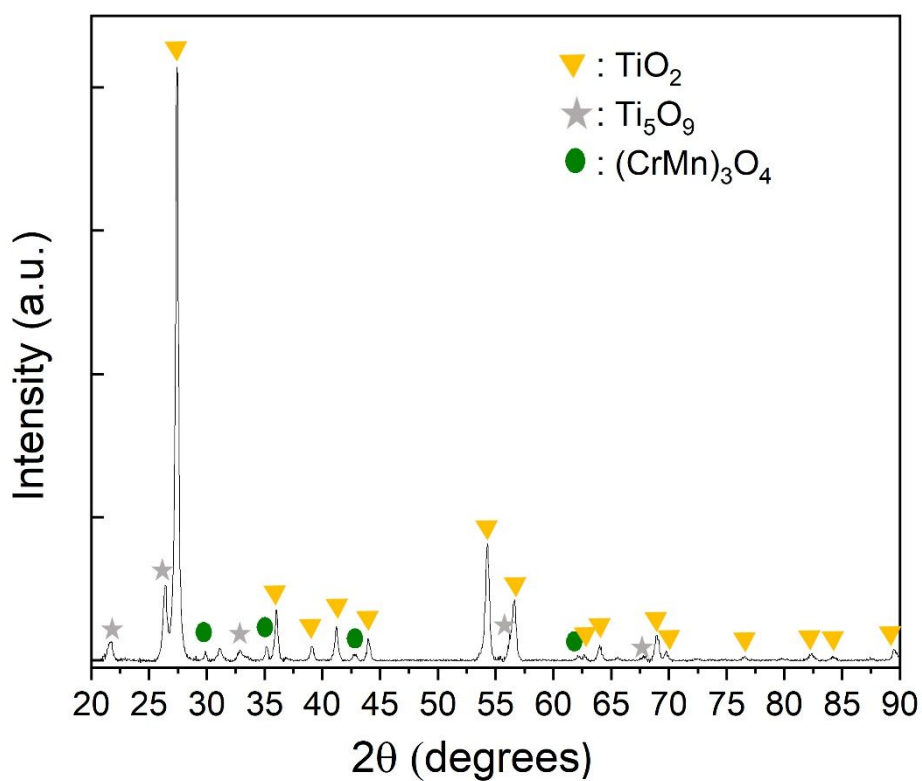


Figure S4: XRD patterns (incidence angle of 2°) of the ferritic steel pre-oxidized for 1 hour at 800 °C in ambient air, coated with Ti and then oxidized for 100 hours at 800 °C in ambient air.

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