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Authors: L.I. Fockaert, P. Taheri, S.T. Abrahami, B. Boelen,

H. Terryn, J.M.C. Mol

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Zirconium-based conversion film formation on zinc, aluminium and magnesium oxides and their interactions with functionalized molecules

L.I. Fockaert^{1,2,3}, P. Taheri³, S.T. Abrahami^{2,3,5}, B. Boelen⁴, H. Terryn^{3,5}, J.M.C. Mol³

Corresponding author

E-mail address: J.M.C.Mol@tudelft.nl (J.M.C. Mol).

¹ The Netherlands Organisation for Scientific Research (NWO), Van Vollenhovenlaan 659, 3527 JP Utrecht, The Netherlands

² Materials innovation institute (M2i), Elektronicaweg 25, 2628 XG Delft, The Netherlands

³ Delft University of Technology, Department of Materials Science and Engineering, Mekelweg 2, 2628 CD Delft, The Netherlands

⁴ Tata Steel IJmuiden B.V., Research and Development, Surface Engineering – Coating development, IJmuiden, The Netherlands

⁵ Vrije Universiteit Brussel, Research Group Electrochemical Surface Engineering, Pleinlaan 2, 1050 Brussels, Belgium

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