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## Deformation, Cracking and Formability of Zn-Al-Mg Coatings

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# Publications and patent

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1. **Masoud Ahmadi**, Bekir Salgın, Bart J. Kooi, Yutao Pei. Genesis and mechanism of microstructural scale deformation and cracking in ZnAlMg coatings. *Materials & Design* 186 (2020): 108364.
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3. **Masoud Ahmadi**, Bekir Salgın, Bart J. Kooi, Yutao Pei. Cracking behavior and formability of Zn-Al-Mg coatings: Understanding the influence of steel substrates. *Materials & Design* 212 (2021): 110215.
4. **Masoud Ahmadi**, Bekir Salgın, Bart J. Kooi, Yutao Pei. Outstanding cracking resistance in Mg-alloyed zinc coatings achieved via crystallographic texture control. *Scripta Materialia* 210 (2022): 114453.
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6. **Masoud Ahmadi** and Yutao Pei. Characterization method of formability properties of zinc alloy coating on a metal substrate. *Patent No.* WO2021038102. (Mar 04, 2021).
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9. S. Sabooni, **M. Ahmadi**, E. Galinmoghaddam, R.J. Westerwaal, C. Boelsma, E. Zoestbergen, G.M. Song, Y.T. Pei. Fundamentals of the adhesion of physical vapor deposited ZnMg-Zn bilayer coatings to steel substrates. *Materials & Design* 190 (2020): 108560.
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