



Poster 12

## The effect of processing variables on ZnMgAl alloy coating characteristics



Daniel Britton

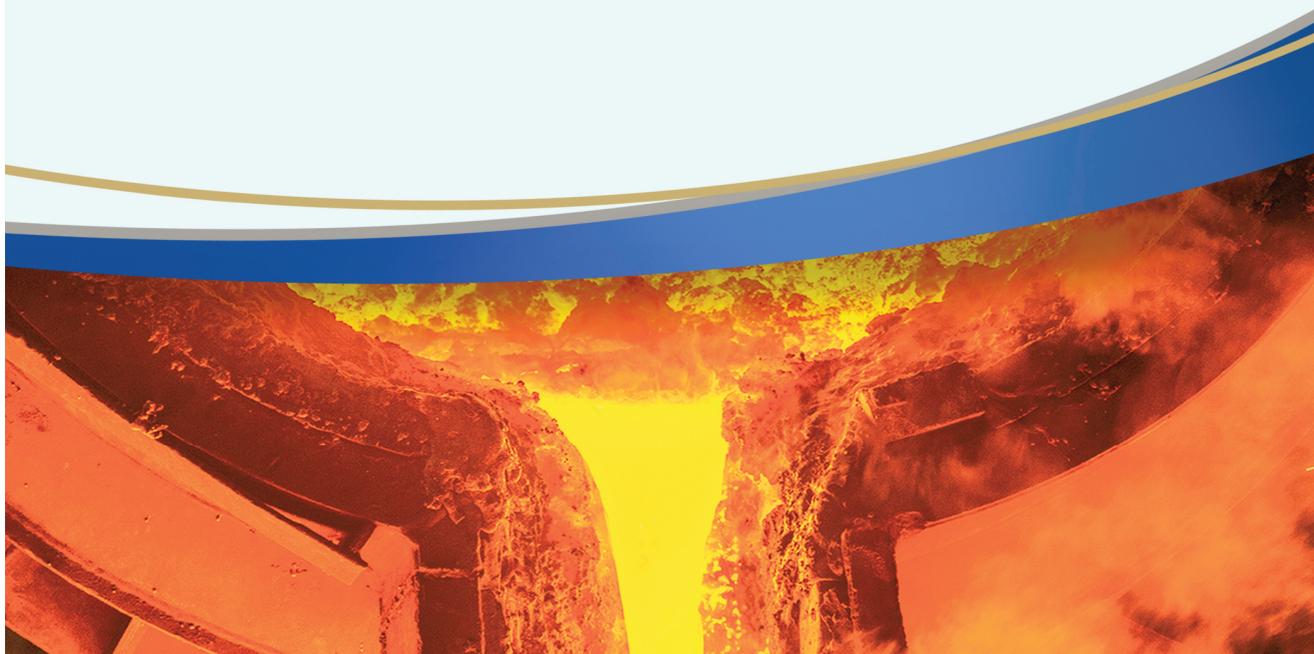
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*ABSTRACT:*

An abundance of research on ZnMgAl metallic coatings has shown a great improvement on corrosion protection compared to traditional galvanising, whilst also providing numerous advantages during automotive manufacturing.

To compete with worldwide innovation, UK steel manufacturers are currently looking to further improve the coating; in particular the quality of surface finish, formability and corrosion resistance. This novel research will look to identify the effect of processing variables on the characteristics of ZnMgAl coatings using material from a continuous hot dip galvanising line and Swansea University's new state-of-the-art hot dip simulator.



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