Development of Hot-Dip 55% Aluminum-Zinc Alloy Coating Process by Flux Method

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Abstract

This paper discusses the development of a NaCl-KCl-$CaCl_2$ type aqueous solution flux which is effective in preventing rust of steel materials after the activation treatment, and a Na_3AlF_6-AlF_3-NaCl-KCl-$CaCl_2$ type composite flux which dissolves aluminum oxides on the coating bath, for use in a one step hot-dip 55% aluminum-zinc alloy coating process. The application of these flux makes a one step coating process a possibility.

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