

Surface Treatment Technology for Galvanized Steel Sheet

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Abstract

Steel material is widely used as a basic material in various manufacturing industries, and there are wide-ranging surface treatments available for steel sheets in order to meet various market demands. Chromate has been used as a major surface treatment technology for galvanized steel sheets for a long time. However, the hexavalent chromium contained in chromate film may affect the human body and environment and is now subject to regulation. As a consequence, there is a significant need for alternative chromium-free surface treatment chemicals. In this report, we explain the basic design concept for our chromium-free surface treatment chemical.

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