

1 液タイプ変性エポキシ樹脂プライマーの 性能に関する調査研究

Study on Performance of Anti-corrosive Primer Based on
Modified Epoxy Resin One Package Type.

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Abstract

This report mainly focus on one pack type of modified epoxy primer on different kinds of non-ferrous metals, especially galvanized steel plate by confirming the performance testings such as adhesion, anti-weathering and so on in considering the following circumstance of the market demands. It becomes more popular in the industry to use Epoxy Resin type as anti-corrosive primer because of (1) Shortening working schedule due to faster curing time (2) Long lasting durability for steal surfaces instead of Priming system using Oleoreginous or synthetic resin which were commonly used to be a basic priming system. It is also reported that there are so many integrated types of lower solvent types Modified Epoxy Primer promoted into the market (Lead/Chrome or Heavy Metal Free) in consideration of Environmental Protection. In addition, the standardization of those integrated products is under consideration by Paint Industry.

キーワード：1 液タイプ変性エポキシプライマー、亜鉛めっき鋼板、付着安定性試験、弱溶剤系、耐候性試験

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1. はじめに

従来、金属部分のさび止めペイントとしては、油性系塗料、合成樹脂調合ペイントが中心であったが、近年では工期短縮、高耐久性がもたら

れている関係上、エポキシ系のさび止めペイントが塗料製造所各社から販売されている。また最近では、塗り替えに最適な弱溶剤タイプの変性エポキシ系のさび止め塗料や、環境保全の観点から、鉛やクロム等の重金属フリータイプ

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