

〈技術資料〉

建築における鉄部高耐久性水性塗装仕様の検証

Verification of High-Durability Water-Based Coating Specifications for Steel Parts in Architecture

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Abstract

When colored paint finish is performed on architectural steel structures that are required to be weather resistance and aesthetic for a long period of time, typical paints used in general corrosive environments include JIS K 5551 Heavy-duty Anticorrosive Paint Class A for Metal structures as an undercoat and JIS K 5659 Long durable Paint for Steel structures (solvent type) are used as a topcoats.

In September 2018, a new standard for water-based paints was added to these standards.

In this report, we evaluate the cyclic corrosion test, accelerated weathering test, and natural weathering test on steel surface for the purpose of comparing it with the current solvent type specification to verify whether the specifications using this water-based paint are appropriate as specifications for architectural steel structures.

キーワード：高耐久性水性塗料、建築鋼構造物、サイクル腐食試験、促進耐候性、屋外暴露耐候性

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