

〈技術資料〉

施工から30年が経過した建築用仕上塗材の 躯体保護性能に関する研究

A study on Protective Performance of Architectural Finish Coatings for Structures 30 Years After Construction

越中谷光太郎*、小寺 努^{*1}、鹿毛 忠継^{*2}、中田 清史^{*2}、
松沢 晃一^{*3}、掛川 勝^{*4}、田村 昌隆^{*5}、梶田 佳寛^{*6}

Abstract

Architectural finishing coatings are known to have protective properties that safeguard structural concrete from deterioration factors such as carbonation and chloride penetration. However, it is also known that these protective properties diminish as the finishing coating itself deteriorates over time. Nevertheless, it is difficult to verify the decline in protective performance caused by the deterioration of the coating through surveys of actual buildings.

Therefore, in this study, we examined the residual protective performance of finishing coatings by measuring factors such as carbonation depth and chloride penetration depth in a reinforced concrete exposure structure that had not undergone any maintenance for 30 years after the finishing coating was applied.

キーワード：外装仕上塗材、30年ばく露、中性化抑制効果、塩化物イオン浸透抑制効果

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*ETCHUYA Kotaro
日本建築仕上材工業会

^{*1}KODERA Tsutomu
日本建築仕上材工業会（エスケー化研株式会社）

^{*2}KAGE Tadatsugu, NAKADA kiyofumi
国立研究開発法人建築研究所

^{*3}MATSUZAWA Kouichi
明治大学

^{*4}KAKEGAWA Masaru
リフリート工業会（太平洋マテリアル株式会社）

^{*5}TAMURA Masataka
日本建築仕上材工業会

^{*6}MASUDA Yoshihiro
宇都宮大学名誉教授