

18. Verification of the Carbonation Suppressive Effects Evaluation Method of Concrete considering the Aging of Coating Materials for Textured Finishes by the Exposure Data

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Based on the literature on the carbonation of concrete covered with the textured finishing on the outdoor exposure was conducted, the relation between exposure years and carbonation suppressive effects of coating materials for textured finishes was examined, and the adaptability of proposed the carbonation suppressive effects evaluation method of concrete considering the aging of coating materials for textured finishes was verified. As the result, it was proven that proposing carbonation prediction method quite supports exposure data, and the usefulness of this method was confirmed.

Key words : coating materials for textured finishes, carbonation, suppressive effect, considering aging