DIN EN 12390-18:2025-02 (E)

Testing hardened concrete - Part 18: Determination of the chloride migration coefficient (includes Amendment A1:2024)

Contents

Page

European foreword ... 3

1 Scope ... 4

2 Normative references ... 4

3 Terms and definitions ... 4

4 Symbols ... 5

5 Principle ... 5

6 Apparatus and equipment ... 5

7 Preparation of specimens ... 8
7.1 Preparing sub-specimens ... 8
7.2 Preparing test specimens ... 9

8 Procedure ... 9
8.1 Installation of the test specimens in the migration cell ... 9
8.2 Installation of the migration cell in the migration apparatus ... 9
8.3 Test procedure ... 10

9 Test evaluation ... 13
9.1 Determination of the mean and maximum penetration depth ... 13
9.2 Determination of the chloride migration coefficient M_{nss} ... 13

10 Variations of the procedure ... 14
10.1 Specimens of sprayed mortar and sprayed concrete ... 14

11 Report ... 14

12 Precision estimate ... 15

Annex A (informative) **Background to chloride migration testing** ... 17

Bibliography ... 18