

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

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

---

<b>Contents</b>	<b>Page</b>
European foreword.....	3
<b>1 Scope</b> .....	<b>4</b>
<b>2 Normative references</b> .....	<b>4</b>
<b>3 Terms and definitions</b> .....	<b>4</b>
<b>4 Symbols</b> .....	<b>5</b>
<b>5 Principle</b> .....	<b>5</b>
<b>6 Apparatus and equipment</b> .....	<b>5</b>
<b>7 Preparation of specimens</b> .....	<b>8</b>
7.1 Preparing sub-specimens.....	8
7.2 Preparing test specimens.....	9
<b>8 Procedure</b> .....	<b>9</b>
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
<b>9 Test evaluation</b> .....	<b>13</b>
9.1 Determination of the mean and maximum penetration depth.....	13
9.2 Determination of the chloride migration coefficient $M_{nss}$ .....	13
<b>10 Variations of the procedure</b> .....	<b>14</b>
10.1 Specimens of sprayed mortar and sprayed concrete.....	14
<b>11 Report</b> .....	<b>14</b>
<b>12 Precision estimate</b> .....	<b>15</b>
<b>Annex A (informative) Background to chloride migration testing</b> .....	<b>17</b>
<b>Bibliography</b> .....	<b>18</b>