

# DIN EN 15237:2007-06 (E)

## Execution of special geotechnical works - Vertical drainage

---

| <b>Contents</b>   |   | <b>Page</b> |
|---|---|-------------|
| Foreword .....  |   | 3           |
| <b>1</b>  | <b>Scope .....</b>  | <b>4</b>    |
| <b>2</b>  | <b>Normative references .....</b>                             | <b>4</b>    |
| <b>3</b>  | <b>Terms and definitions .....</b>                            | <b>5</b>    |
| <b>4</b>  | <b>Information needed for the execution of the work .....</b> | <b>7</b>    |
| <b>5</b>  | <b>Geotechnical investigations .....</b>                      | <b>8</b>    |
| <b>5.1</b>  | <b>General .....</b>  | <b>8</b>    |
| <b>5.2</b>  | <b>Specific requirements .....</b>                            | <b>8</b>    |
| <b>6</b>  | <b>Materials and product .....</b>                            | <b>9</b>    |
| <b>6.1</b>  | <b>General .....</b>  | <b>9</b>    |
| <b>6.2</b>  | <b>Raw materials of prefabricated drains .....</b>            | <b>9</b>    |
| <b>6.3</b>  | <b>Band drains .....</b>                                      | <b>9</b>    |
| <b>6.4</b>  | <b>Prefabricated cylindrical drain .....</b>                  | <b>13</b>   |
| <b>6.5</b>  | <b>Sand drains .....</b>                                      | <b>15</b>   |
| <b>7</b>  | <b>Considerations related to design .....</b>                 | <b>15</b>   |
| <b>7.1</b>  | <b>Field trials .....</b>                                     | <b>15</b>   |
| <b>8</b>  | <b>Execution .....</b>  | <b>15</b>   |
| <b>8.1</b>  | <b>Method statement .....</b>                                 | <b>15</b>   |
| <b>8.2</b>  | <b>Preparation of the site .....</b>                          | <b>16</b>   |
| <b>8.3</b>  | <b>Drain installation .....</b>                               | <b>16</b>   |
| <b>8.4</b>  | <b>Special aspects .....</b>                                  | <b>17</b>   |
| <b>9</b>  | <b>Supervision and monitoring .....</b>                       | <b>17</b>   |
| <b>9.1</b>  | <b>Supervision .....</b>                                      | <b>17</b>   |
| <b>9.2</b>  | <b>Monitoring .....</b>                                       | <b>18</b>   |
| <b>10</b>   | <b>Records .....</b>  | <b>18</b>   |
| <b>10.1</b>   | <b>Records during construction .....</b>                      | <b>18</b>   |
| <b>10.2</b>   | <b>Records at the completion of the work .....</b>            | <b>18</b>   |
| <b>11</b>   | <b>Special requirements .....</b>                             | <b>19</b>   |
| <b>11.1</b>   | <b>General .....</b>  | <b>19</b>   |
| <b>11.2</b>   | <b>Safety .....</b>   | <b>19</b>   |
| <b>11.3</b>   | <b>Environmental protection .....</b>                         | <b>19</b>   |
| <b>11.4</b>   | <b>Impact on adjacent structures .....</b>                    | <b>19</b>   |
| <b>Annex A (informative) Practical aspects of vertical drainage .....</b>     |   | <b>20</b>   |
| <b>Annex B (informative) Aspects of design .....</b>                          |   | <b>41</b>   |
| <b>Annex C (informative) Degree of obligation of the specifications .....</b> |   | <b>52</b>   |
| <b>Bibliography .....</b>   |   | <b>54</b>   |