

# DIN EN 1504-5:2013-06 (E)

## Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 5: Concrete injection

---

| <b>Contents</b>                                                                                                                       | <b>Page</b> |
|---------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Foreword .....                                                                                                                        | 3           |
| Introduction .....                                                                                                                    | 5           |
| 1 Scope .....                                                                                                                         | 6           |
| 2 Normative references .....                                                                                                          | 6           |
| 3 Terms and definitions .....                                                                                                         | 8           |
| 4 Performance characteristics in relation to the general principles of protection and repair                                          | 10          |
| 5 Requirements .....                                                                                                                  | 14          |
| 5.1 Identification requirements .....                                                                                                 | 14          |
| 5.2 Performance requirements .....                                                                                                    | 16          |
| 5.3 Special applications .....                                                                                                        | 24          |
| 5.4 Dangerous substances .....                                                                                                        | 24          |
| 6 Sampling .....                                                                                                                      | 24          |
| 7 Evaluation of conformity .....                                                                                                      | 24          |
| 7.1 General .....                                                                                                                     | 24          |
| 7.2 Initial type-testing .....                                                                                                        | 25          |
| 7.3 Factory production control .....                                                                                                  | 25          |
| 7.4 Assessment, surveillance and certification .....                                                                                  | 25          |
| 8 Marking and labelling .....                                                                                                         | 25          |
| Annex A (normative) Classification of injection products .....                                                                        | 26          |
| Annex B (informative) Special applications .....                                                                                      | 28          |
| Annex C (informative) Minimum frequency of testing for Factory Production Control .....                                               | 30          |
| Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU<br>Construction Products Directive ..... | 31          |
| ZA.1 Scope and relevant characteristics .....                                                                                         | 31          |
| ZA.2 Attestation of conformity .....                                                                                                  | 34          |
| ZA.2.1 Systems of attestation of conformity .....                                                                                     | 34          |
| ZA.2.2 EC Certificate and Declaration of conformity .....                                                                             | 35          |
| ZA.3 CE marking and labelling .....                                                                                                   | 36          |
| Bibliography .....                                                                                                                    | 39          |