

# DIN 18555-9:2019-04 (E)

## Testing of mortars containing mineral binders - Part 9: Determination of the compressive strength of hardened mortars in the bed joint

| Contents   | Page |
|--|------|
| Foreword .....   | 3    |
| 1 Scope .....  | 4    |
| 2 Normative references .....                               | 4    |
| 3 Terms and definitions.....                               | 4    |
| 4 Testing on a specially-made two unit sample .....        | 5    |
| 4.1 Method I.....  | 5    |
| 4.1.1 Principle .....                                      | 5    |
| 4.1.2 Apparatus and accessories.....                       | 5    |
| 4.1.3 Masonry units.....                                   | 6    |
| 4.1.4 Masonry mortar.....                                  | 7    |
| 4.1.5 Preparation and storage of samples .....             | 7    |
| 4.1.6 Test procedure.....                                  | 7    |
| 4.1.7 Evaluation.....                                      | 7    |
| 4.2 Method II .....  | 8    |
| 4.2.1 Principle .....                                      | 8    |
| 4.2.2 Apparatus and accessories.....                       | 8    |
| 4.2.3 Masonry units.....                                   | 8    |
| 4.2.4 Masonry mortar.....                                  | 8    |
| 4.2.5 Preparation and storage of samples .....             | 8    |
| 4.2.6 Test procedure.....                                  | 9    |
| 4.2.7 Evaluation.....                                      | 9    |
| 4.3 Method III.....  | 9    |
| 4.3.1 Principle .....                                      | 9    |
| 4.3.2 Apparatus and accessories.....                       | 10   |
| 4.3.3 Masonry units.....                                   | 11   |
| 4.3.4 Masonry mortar.....                                  | 11   |
| 4.3.5 Preparation and storage of samples .....             | 11   |
| 4.3.6 Test procedure.....                                  | 11   |
| 4.3.7 Evaluation.....                                      | 11   |
| 4.4 Test report.....                                       | 11   |
| 5 Testing of mortar from masonry.....                      | 12   |
| 5.1 Method II .....  | 12   |
| 5.1.1 Principle .....                                      | 12   |
| 5.1.2 Apparatus and accessories.....                       | 12   |
| 5.1.3 Preparation and conditioning of test specimens ..... | 12   |
| 5.1.4 Test procedure.....                                  | 13   |
| 5.1.5 Evaluation.....                                      | 13   |
| 5.2 Method III.....  | 13   |
| 5.2.1 Principle .....                                      | 13   |
| 5.2.2 Apparatus and accessories.....                       | 13   |
| 5.2.3 Preparation and conditioning of test specimens ..... | 13   |
| 5.2.4 Test procedure.....                                  | 14   |
| 5.2.5 Evaluation.....                                      | 14   |
| 5.3 Test report.....                                       | 14   |