

# ISO 13765-7:2021-09 (E)

## Refractory mortars - Part 7: Determination of permanent change in dimensions on heating

---

| <b>Contents</b>       |  | <b>Page</b> |
|-----------------------|--|-------------|
| Foreword .....        |  | iv          |
| 1                     | Scope .....  | 1           |
| 2                     | Normative references .....   | 1           |
| 3                     | Terms and definitions .....  | 1           |
| 4                     | Principle .....  | 1           |
| 5                     | Apparatus .....  | 1           |
| 6                     | Test preparation .....   | 2           |
| 6.1                   | Sampling .....   | 2           |
| 6.2                   | Preparation of the refractory bricks .....                           | 2           |
| 7                     | Procedure .....  | 3           |
| 7.1                   | Preparation of the test specimens .....                              | 3           |
| 7.2                   | Measurement of test specimens .....                                  | 4           |
| 7.3                   | Drying the test specimens .....                                      | 4           |
| 7.4                   | Firing the test specimens .....                                      | 4           |
| 7.5                   | Measurement of test specimens after heating (drying or firing) ..... | 5           |
| 8                     | Calculations .....   | 5           |
| 8.1                   | The permanent change in dimensions on drying .....                   | 5           |
| 8.2                   | The permanent change in dimensions on firing .....                   | 5           |
| 8.3                   | The permanent change in dimensions on heating .....                  | 5           |
| 9                     | Precision .....  | 6           |
| 9.1                   | Interlaboratory tests .....  | 6           |
| 9.2                   | Repeatability .....  | 6           |
| 9.3                   | Reproducibility .....  | 6           |
| 10                    | Reporting .....  | 6           |
| Annex A (informative) | Results of interlaboratory tests .....                               | 7           |