



BSI Standards Publication

Refractory mortars

Part 7: Determination of permanent change in dimensions on heating

National foreword

This British Standard is the UK implementation of [ISO 13765-7:2021](#).

The UK participation in its preparation was entrusted to Technical Committee RPI/1, Refractory products and materials.

A list of organizations represented on this committee can be obtained on request to its committee manager.

Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by BSI in relation to the adequacy, accuracy, completeness or reasonableness of this publication. All and any such responsibility and liability is expressly disclaimed to the full extent permitted by the law.

This publication is provided as is, and is to be used at the recipient's own risk.

The recipient is advised to consider seeking professional guidance with respect to its use of this publication.

This publication is not intended to constitute a contract. Users are responsible for its correct application.

© The British Standards Institution 2021
Published by BSI Standards Limited 2021

ISBN 978 0 580 96440 4

ICS 81.080

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 October 2021.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

INTERNATIONAL STANDARD

ISO
13765-7

First edition
2021-09-27

Refractory mortars —

Part 7:

Determination of permanent change in dimensions on heating

Mortiers réfractaires —

*Partie 7: Détermination des variations dimensionnelles permanentes
lors du chauffage*



Reference number
ISO 13765-7:2021(E)

AVA Documents
Document Sharing Hub
© ISO 2021



COPYRIGHT PROTECTED DOCUMENT

© ISO 2021, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

Page

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