# IIN-AS

Institut luxembourgeois de la normalisation de l'accréditation, de la sécurité et qualité des produits et services

## ILNAS-EN 13445-2:2021/A1:2023

## Unfired pressure vessels - Part 2: Materials

Unbefeuerte Druckbehälter - Teil 2: Werkstoffe

Récipients sous pression non soumis à la flamme - Partie 2 : matériaux



#### **National Foreword**

This European Standard EN 13445-2:2021/A1:2023 was adopted as Luxembourgish Standard ILNAS-EN 13445-2:2021/A1:2023.

Every interested party, which is member of an organization based in Luxembourg, can participate for FREE in the development of Luxembourgish (ILNAS), European (CEN, CENELEC) and International (ISO, IEC) standards:

- Participate in the design of standards
- Foresee future developments
- Participate in technical committee meetings

https://portail-qualite.public.lu/fr/normes-normalisation/participer-normalisation.html

#### THIS PUBLICATION IS COPYRIGHT PROTECTED

Nothing from this publication may be reproduced or utilized in any form or by any mean - electronic, mechanical, photocopying or any other data carries without prior permission!

## EUROPEAN STANDARD EUROPEAN STANDARD 13445-2:2021/A1EN 13445-2:2021/A1EN 13445-2:2021/A1

## NORME EUROPÉENNE

## **EUROPÄISCHE NORM**

March 2023

ICS 23.020.30

**English Version** 

## Unfired pressure vessels - Part 2: Materials

Récipients sous pression non soumis à la flamme -Partie 2 : matériaux Unbefeuerte Druckbehälter - Teil 2: Werkstoffe

This amendment A1 modifies the European Standard 2626659; it was approved by CEN on 21 February 2023.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN 13445-2:2021/A1:2023 E

## Contents

Europe	ean foreword	3
1	Modification to Clause 2, Normative references	4
2	Modification to 3.1, Terms and definitions	5
3	Modification to 3.1.2, temperature adjustment term T <sub>s</sub>	5
4	Modification to 4.1.7	5
5	Modification to Annex A, Grouping system for steels for pressure equipment	6
6	Modification to Bibliography	8

### **European foreword**

This document (EN 13445-2:2021/A1:2023) has been prepared by Technical Committee CEN/TC 54 "Unfired pressure vessels", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2023, and conflicting national standards shall be withdrawn at the latest by September 2023.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a Standardization Request given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

For relationship with EU Directive(s) / Regulation(s), see informative Annex ZA, which is an integral part of EN 13445-2:2021.

This document includes the text of the amendment itself. The amendment will be consolidated within EN 13445-2:2021 in accordance with the maintenance system of EN 13445 series approved by the CEN/BT Decision C172/2021.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.