



**SLOVENSKI STANDARD**  
**kSIST FprEN ISO 17142:2015**  
**01-november-2015**

---

**Fina keramika (sodobna keramika, sodobna tehnična keramika) - Mehanske lastnosti keramičnih kompozitov pri visoki temperaturi v zraku v pogojih atmosferskega tlaka - Določanje lastnosti utrujanja pri konstantni amplitudi (ISO 17142:2014)**

Fine ceramics (advanced ceramics, advanced technical ceramics) - Mechanical properties of ceramic composites at high temperature in air at atmospheric pressure - Determination of fatigue properties at constant amplitude (ISO 17142:2014)

Hochleistungskeramik - Mechanische Eigenschaften von keramischen Verbundwerkstoffen bei hoher Temperatur in Luft unter Atmosphärendruck - Bestimmung der Ermüdungseigenschaften bei konstanter Amplitude (ISO 17142:2014)

Céramiques techniques - Propriétés mécaniques des céramiques composites à haute température sous air à pression atmosphérique - Détermination des propriétés de fatigue à amplitude constante (ISO 17142:2014)

**Ta slovenski standard je istoveten z: FprEN ISO 17142**

---

**ICS:**

81.060.30      Sodobna keramika      Advanced ceramics

**kSIST FprEN ISO 17142:2015**      **en**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**FINAL DRAFT**  
**FprEN ISO 17142**

September 2015

ICS 81.060.30

Will supersede EN 15157:2006

English Version

**Fine ceramics (advanced ceramics, advanced technical ceramics) - Mechanical properties of ceramic composites at high temperature in air at atmospheric pressure - Determination of fatigue properties at constant amplitude (ISO 17142:2014)**

Céramiques techniques - Propriétés mécaniques des céramiques composites à haute température sous air à pression atmosphérique - Détermination des propriétés de fatigue à amplitude constante (ISO 17142:2014)

Hochleistungskeramik - Mechanische Eigenschaften von keramischen Verbundwerkstoffen bei hoher Temperatur in Luft unter Atmosphärendruck - Bestimmung der Ermüdungseigenschaften bei konstanter Amplitude (ISO 17142:2014)

This draft European Standard is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 184.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN 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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

**Warning** : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## Contents

	Page
European foreword.....	3

## **European foreword**

The text of ISO 17142:2014 has been prepared by Technical Committee ISO/TC 206 “Fine ceramics” of the International Organization for Standardization (ISO) and has been taken over as FprEN ISO 17142:2015 by Technical Committee CEN/TC 184 “Advanced technical ceramics” the secretariat of which is held by DIN.

This document is currently submitted to the Unique Acceptance Procedure.

This document will supersede EN 15157:2006.

### **Endorsement notice**

The text of ISO 17142:2014 has been approved by CEN as FprEN ISO 17142:2015 without any modification.



INTERNATIONAL  
STANDARD

ISO  
17142

First edition  
2014-06-01

---

---

**Fine ceramics (advanced ceramics,  
advanced technical ceramics) —  
Mechanical properties of ceramic  
composites at high temperature  
in air at atmospheric pressure —  
Determination of fatigue properties at  
constant amplitude**

*Céramiques techniques — Propriétés mécaniques des composites  
céramiques à haute température sous air à pression atmosphérique  
— Détermination des propriétés de fatigue à amplitude constante*



Reference number  
ISO 17142:2014(E)

© ISO 2014



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2014

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  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland