
Mala plovila - Konstrukcija trupa in zahtevane lastnosti - 1. del: Materiali: toplotno obdelane smole, ojačitev s steklenimi vlakni, referenčni laminat (ISO 12215-1:2000)

Small craft - Hull construction and scantlings - Part 1: Materials: Thermosetting resins, glass-fibre reinforcement, reference laminate (ISO 12215-1:2000)

Kleine Wasserfahrzeuge - Rumpfbauweise und Dimensionierung - Teil 1: Werkstoffe: Härtbare Harze, Verstärkungsfasern aus Textilglas, Referenzlaminat (ISO 12215-1:2000)

Petits navires - Construction de coques et échantillons - Partie 1: Matériaux: Résines thermodurcissables, renforcement de fibres de verre, stratifié de référence (ISO 12215-1:2000)

<https://standards.iteh.ai/catalog/standards/sist/c0db5f6d-4274-4fec-ad45-a9b36783c75b/sist-en-iso-12215-1-2001>

Ta slovenski standard je istoveten z: EN ISO 12215-1:2000

ICS:

47.020.10	Ladijski trupi in njihovi konstrukcijski elementi	Hulls and their structure elements
47.080	Čolni	Small craft

SIST EN ISO 12215-1:2001

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 12215-1:2001

<https://standards.iteh.ai/catalog/standards/sist/c0db5f6d-4274-4fec-ad45-a9b36783c75b/sist-en-iso-12215-1-2001>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 12215-1

September 2000

ICS 47.080

English version

Small craft - Hull construction and scantlings - Part 1: Materials:
Thermosetting resins, glass-fibre reinforcement, reference
laminate (ISO 12215-1:2000)

Petits navires - Construction de coques et échantillons -
Partie 1: Matériaux: Résines thermodurcissables,
renforcement de fibres de verre, stratifié de référence (ISO
12215-1:2000)

Kleine Wasserfahrzeuge - Rumpfbauweise und
Dimensionierung - Teil 1: Werkstoffe: Härtbare Harze,
Verstärkungsfasern aus Textilglas, Referenzlaminat (ISO
12215-1:2000)

This European Standard was approved by CEN on 30 June 2000.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This European Standard 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 12215-1:2001

<https://standards.iteh.ai/catalog/standards/sist/c0b5f6d-4274-4fec-ad45-a9b36783c75b/sist-en-iso-12215-1-2001>



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Page 2
EN ISO 12215-1:2000

Foreword

Corrected 2000-11-22

The text of the International Standard ISO 12215-1:2000 has been prepared by Technical Committee ISO/TC 188 "Small craft" in collaboration with CMC.

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 March 2001, and conflicting national standards shall be withdrawn at the latest by March 2001.

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

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 12215-1:2000 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 12215-1:2001](https://standards.iteh.ai/catalog/standards/sist/c0db5f6d-4274-4fec-ad45-a9b36783c75b/sist-en-iso-12215-1-2001)

<https://standards.iteh.ai/catalog/standards/sist/c0db5f6d-4274-4fec-ad45-a9b36783c75b/sist-en-iso-12215-1-2001>

Annex ZA (normative)
Normative references to international publications
with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 62	1999	Plastics - Determination of water absorption	EN ISO 62	1999
ISO 75-1	1993	Plastics - Determination of temperature of deflection under load - Part 1: General test method	EN ISO 75-1	1996
ISO 75-2	1993	Plastics - Determination of temperature of deflection under load - Part 2: Plastics and ebonite	EN ISO 75-2	1996
ISO 178	1993	Plastics - Determination of flexural properties	EN ISO 178	1996
ISO 527-1	1993	Plastics - Determination of tensile properties - Part 1: General principles (including Corrigendum 1:1994)	EN ISO 527-1	1996
ISO 527-4	1997	Plastics - Determination of tensile properties - Part 4: Test conditions for isotropic and orthotropic fibre-reinforced plastic composites	EN ISO 527-4	1997
ISO 1889	1997	Reinforcement yarns - Determination of linear density	EN ISO 1889	1997
ISO 2078	1993	Textile glass - Yarns - Designation	EN ISO 2078	1994
ISO 2535	1997	Plastics - Unsaturated polyester resins - Measurement of gel time at 25 °C	EN ISO 2535	1998
ISO 2555	1989	Plastics - Resins in the liquid state or as emulsions or dispersions - Determination of apparent viscosity by the Brookfield Test method	EN ISO 2555	1999

Page 4
EN ISO 12215-1:2000

ISO 3344	1997	Reinforcement products Determination of moisture content	- EN ISO 3344	1997
ISO 3521	1997	Plastics - Unsaturated polyester and epoxy resins - Determination of overall volume shrinkage	EN ISO 3521	1999
ISO 14130	1997	Fibre-reinforced plastic composites - Determination of apparent interlaminar shear strength by short-beam method	EN ISO 14130	1997

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 12215-1:2001

<https://standards.iteh.ai/catalog/standards/sist/c0db5f6d-4274-4fec-ad45-a9b36783c75b/sist-en-iso-12215-1-2001>

INTERNATIONAL STANDARD

ISO
12215-1

First edition
2000-09-01

Small craft — Hull construction and scantlings —

Part 1:

**Materials: Thermosetting resins, glass-fibre
reinforcement, reference laminate**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Petits navires — Construction de coques et échantillons —

*Partie 1: Matériaux: Résines thermodurcissables, renforcement de fibres de
verre, stratifié de référence*

[SIST EN ISO 12215-1:2001](https://standards.iteh.ai/catalog/standards/sist/c0db5f6d-4274-4fec-ad45-a9b36783c75b/sist-en-iso-12215-1-2001)

[https://standards.iteh.ai/catalog/standards/sist/c0db5f6d-4274-4fec-ad45-
a9b36783c75b/sist-en-iso-12215-1-2001](https://standards.iteh.ai/catalog/standards/sist/c0db5f6d-4274-4fec-ad45-a9b36783c75b/sist-en-iso-12215-1-2001)



Reference number
ISO 12215-1:2000(E)

© ISO 2000

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 12215-1:2001](https://standards.iteh.ai/catalog/standards/sist/c0db5f6d-4274-4fec-ad45-a9b36783c75b/sist-en-iso-12215-1-2001)

<https://standards.iteh.ai/catalog/standards/sist/c0db5f6d-4274-4fec-ad45-a9b36783c75b/sist-en-iso-12215-1-2001>

© ISO 2000

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing 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.ch
Web www.iso.ch

Printed in Switzerland

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO 12215 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 12215-1 was prepared by Technical Committee ISO/TC 188, *Small craft*.

ISO 12215 consists of the following parts, under the general title *Small craft — Hull construction and scantlings*:

— *Part 1: Materials: Thermosetting resins, glass-fibre reinforcement, reference laminate*

The following will be the subjects of future parts of ISO 12215:

— *Part 2: Materials: Core materials for sandwich-construction, embedded materials*

— *Part 3: Materials: Steel, aluminium alloys, wood, other materials*

— *Part 4: Workshop and manufacturing*

— *Part 5: Design pressures, design stresses, scantling determination*

— *Part 6: Structural arrangements and details*