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**Väikelaevad. Kerekonstruktsioon ja prussid
. Osa 2: Materjalid: Kihtkonstruktsiooni
keskosa materjalid, varjatud kihi materjalid**

Small craft - Hull construction and scantlings - Part
2: Materials: Core materials for sandwich
construction, embedded materials

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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| <p>Käesolev Eesti standard EVS-EN ISO 12215-2:2002 sisaldab Euroopa standardi EN ISO 12215-2:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.10.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p> | <p>This Estonian standard EVS-EN ISO 12215-2:2002 consists of the English text of the European standard EN ISO 12215-2:2002.</p> <p>This document is endorsed on 18.10.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p> |
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| <p>Käsitlusala: This part of ISO 12215 specifies requirements for core materials for structural use and materials that are embedded in sandwich construction. It is applicable to small craft with a hull length (LH) according to ISO 8666 of up to 24 m.</p> | <p>Scope: This part of ISO 12215 specifies requirements for core materials for structural use and materials that are embedded in sandwich construction. It is applicable to small craft with a hull length (LH) according to ISO 8666 of up to 24 m.</p> |
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ICS 47.080

Võtmesõnad: composite construction, core materials, hulls, materials, materials specification, sandwich structure, ship hulls, shipbuilding, ships, small craft, specification (approval), specifications, testing, vessels

English version

Small craft – Hull construction and scantlings

Part 2: Materials: Core materials for sandwich construction,
embedded materials
(ISO 12215-2 : 2002)

Petits navires – Construction de
coques et échantillons – Partie 2:
Matériaux: Matériaux d'âme pour les
constructions de type sandwich,
matériaux enrobés
(ISO 12215-2 : 2002)

Kleine Wasserfahrzeuge – Rumpf-
bauweise und Dimensionierung –
Teil 2: Werkstoffe: Kernwerkstoffe für
Verbundbauweise, eingebettete
Werkstoffe (ISO 12215-2 : 2002)

This European Standard was approved by CEN on 2002-05-01.

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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.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

International Standard

ISO 12215-2 : 2002 Small craft – Hull construction and scantlings – Part 2: Materials: Core materials for sandwich construction, embedded materials,

which was prepared by ISO/TC 188 'Small craft' of the International Organization for Standardization, has been adopted by CEN/BT as a European Standard.

This European Standard has been prepared under a mandate given to CEN by the Commission of European Communities and the European Free Trade Association and supports essential requirements of the relevant EC Directive.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by November 2002 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 12215-2 : 2002 was approved by CEN as a European Standard without any modification.

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1 Scope

This part of ISO 12215 specifies requirements for core materials for structural use and materials that are embedded in sandwich construction. It is applicable to small craft with a hull length (L_H) according to ISO 8666 of up to 24 m.

NOTE The underlying reason for preparing this part of ISO 12215 is that sandwich structures of small craft require careful selection of core materials from a multitude of choices, and that the manufacturing has to follow certain procedures to achieve the intended long-term durability under the expected loads and environmental conditions.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 12215. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 12215 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 844:2001, *Rigid cellular plastics — Determination of compression properties*

ISO 845:1988, *Cellular plastics and rubbers — Determination of apparent (bulk) density*

ISO 1922:2001, *Rigid cellular plastics — Determination of shear strength*

ISO 1926:—¹⁾, *Cellular plastics — Determination of tensile properties of rigid materials*

ISO 2896:2001, *Rigid cellular plastics — Determination of water absorption*

ISO 3131:1975, *Wood — Determination of density for physical and mechanical tests*

ISO 3132:1975, *Wood — Testing in compression perpendicular to grain*

ISO 3345:1975, *Wood — Determination of ultimate tensile stress parallel to grain*

ISO 3346:1975, *Wood — Determination of ultimate tensile stress perpendicular to grain*

ISO 4589 (all parts):1996, *Plastics — Determination of burning behaviour by oxygen index*

1) To be published. (Revision of ISO 1926:1979)