



BSI Standards Publication

Ships and marine technology — Inflatable rescue boats — Coated fabrics for inflatable chambers

National foreword

This British Standard is the UK implementation of ISO 15372:2000+A1:2021. It supersedes BS ISO 15372:2000, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee SME/32, Ships and marine technology - Steering committee.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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

ISBN 978 0 539 13491 9

ICS 47.080

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 10 September 2003.

Amendments/corrigenda issued since publication

Date	Text affected
28 February 2021	Implementation of ISO amendment 1:2021: replacement of temperature requirement in Sub-clause 6.2.5.3

INTERNATIONAL STANDARD

ISO
15372

First edition
2000-12-01

Ships and marine technology — Inflatable rescue boats — Coated fabrics for inflatable chambers

*Navires et technologie marine — Bateaux de sauvetage gonflables —
Supports textiles revêtus pour chambres gonflables*



Reference number
ISO 15372:2000(E)
Documents
Document Sharing Hub
© ISO 2000



COPYRIGHT PROTECTED DOCUMENT

© ISO 2000, 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
Introduction	v
1 Scope	1
2 Normative references	1
3 General requirements	2
3.1 Coated fabric	2
3.2 Base fabric	2
3.3 Coating material	2
3.4 Adhesives and welding	2
4 Testing of production fabrics	3
4.1 Routine production tests	3
4.2 Other production tests	3
4.3 Frequency of production tests	3
5 Marking	4
6 Approval-testing procedures	4
6.1 General conditions for tests	4
6.1.1 Standard test atmospheres	4
6.1.2 Conditioning of test specimens	4
6.1.3 Test specimens	4
6.2 Test procedures	4
6.2.1 Tensile test	4
6.2.2 Tear test	4
6.2.3 Ageing tests	5
6.2.4 Seam test	6
6.2.5 Oil-resistance test	6
6.2.6 Cold-resistance test	7
6.2.7 Coating-adhesion test	8
6.2.8 Flex-cracking test	8
6.2.9 Airtightness test	8
6.2.10 Ozone-resistance test	11
6.2.11 Sea-water resistance test	11
6.2.12 Hydrolysis resistance (thermoplastic-coated fabrics only)	11
6.2.13 Blocking resistance	12
6.2.14 Ultraviolet resistance	12
6.2.15 Abrasion resistance	13
6.2.16 Mass per unit area	13

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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 15372 was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 1, *Lifesaving and fire protection*.

Introduction

This International Standard is intended to supplement International Maritime Organization (IMO) requirements for rescue boats used on ships complying with the 1974 Safety of Life At Sea Convention (SOLAS 74), as amended.