
**Fire extinguishing media — Foam
concentrates —**

**Part 3:
Specification for low-expansion foam
concentrates for top application to
water-miscible liquids**

Agents extincteurs — Émulseurs —

*Partie 3: Spécifications pour les émulseurs bas foisonnement destinés
à une application par le haut sur les liquides miscibles à l'eau*

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 21, *Equipment for fire protection and fire fighting*, Subcommittee SC 6, *Foam and powder media and firefighting systems using foam and powder*.

This third edition cancels and replaces the second edition (ISO 7203-3:2011), which has been technically revised.

The main changes compared to the previous edition are as follows:

- [Clause 2](#) “Terms and definitions” has been extended;
- [Clause 9](#) “Expansion and drainage of foam” has been modified to run two tests instead of one and take the average of both values instead having just one datum;
- Several Figures were corrected;
- [Annex F](#) “Determination of test fire performance” has been extended by a scheme of a decision tree and the acceptable temperature range for testing fire performance has been modified;
- Annex “Typical anticipated performance for various types of foam concentrate” has been removed from the document.

A list of all parts in the ISO 7203 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

Firefighting foams are widely used to control and extinguish fires of Class B (flammable liquids) and / or Class A fuels (Solid materials, usually of an organic nature) and for inhibiting re-ignition.

Foams can be used in combination with other extinguishing media, particularly halons, carbon dioxide and powders, which are the subject of other International Standards, including, ISO 6183, ISO 7201-1, ISO 7201-2 and ISO 7202. A specification for foam systems can be found in ISO 7076.

Attention is drawn to [Annex H](#), which deals with the compatibility of foam concentrates, and the compatibility of foams and powders.

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