
**Life-threatening components of fire —
Guidelines for the estimation of time
available for escape using fire data**

*Composants dangereux du feu — Lignes directrices pour l'estimation
du temps disponible pour l'évacuation, utilisant les caractéristiques du
feu*



Reference number
ISO 13571:2007(E)

© ISO 2007

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.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2007

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.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword.....	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions.....	1
4 General principles.....	3
4.1 Time available for escape	3
4.2 Toxic-gas model.....	3
4.3 Mass-loss model.....	4
4.4 Heat and radiant energy model	4
4.5 Smoke-obscuration model.....	4
5 Significance and use	4
6 Toxic-gas models.....	5
6.1 Asphyxiant-gas model.....	5
6.2 Irritant-gas model.....	7
7 Mass-loss model	8
8 Heat	9
9 Smoke-obscuration model.....	11
10 Report	12
Annex A (informative) Context and mechanisms of toxic potency.....	13
Bibliography	18