

INTERNATIONAL
STANDARD

ISO
3008-1

First edition
2019-01

**Fire resistance tests — Door and
shutter assemblies —**

**Part 1:
General requirements**

*Essais de résistance au feu — Assemblages de portes et volets —
Partie 1: Exigences générales*



Reference number
ISO 3008-1:2019(E)

© ISO 2019



COPYRIGHT PROTECTED DOCUMENT

© ISO 2019

All rights reserved. Unless otherwise specified, or required in the context of its implementation, 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
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

Published in Switzerland

Contents

	Page
Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Test equipment	4
5 Test conditions	4
6 Test specimen	4
6.1 Size of specimen	4
6.2 Number of specimens	4
6.3 Design of specimen	4
6.4 Construction	5
6.5 Verification	5
7 Installation of test specimen	5
7.1 General	5
7.2 Supporting construction	5
7.3 Test construction	6
7.3.1 Associated and supporting construction	6
7.3.2 Associated construction	6
7.3.3 Supporting construction	6
7.3.4 Restraint on supporting construction	14
7.4 Gaps	15
8 Conditioning	19
8.1 Moisture content	19
8.2 Mechanical	19
9 Application of instrumentation	20
9.1 Temperature measurements	20
9.1.1 Furnace-temperature measuring instrument	20
9.1.2 Unexposed-face thermocouples	21
9.2 Maximum temperature	37
9.3 Temperature of door frame	38
9.4 Pressure measurements	38
9.5 Heat-flux measurement	39
9.5.1 General	39
9.5.2 Apparatus	39
9.5.3 Procedure	39
9.5.4 Measurement	40
9.6 Deflection	40
10 Test procedure	44
10.1.1 Gap measurements	44
10.1.2 Retention force measurements	45
10.1.3 Final setting	45
11 Performance criteria	45
11.1 Integrity	45
11.2 Insulation	46
12 Test report	46
13 Field of direct application of test results	46
13.1 General	46
13.2 Timber constructions	47