
**Energy performance of buildings —
Indicators for partial EPB
requirements related to thermal
energy balance and fabric features —**

Part 2:
**Explanation and justification of ISO
52018-1**

*Performance énergétique des bâtiments — Indicateurs pour
des exigences PEB partielles liées aux caractéristiques du bilan
énergétique thermique et du bâti —*

Partie 2: Explication et justification de l'ISO 52018-1





COPYRIGHT PROTECTED DOCUMENT

© ISO 2017, 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.....	v
Introduction.....	vi
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Symbols and subscripts.....	1
5 General aspects.....	2
6 Mix of EPB features with requirements.....	3
7 Summer thermal comfort.....	3
7.1 Motivation.....	3
7.2 Points of attention.....	3
7.3 Indicators.....	5
7.4 Comparable economic strictness.....	5
7.5 New construction/renovation.....	6
7.6 Exceptions.....	6
8 Winter thermal comfort.....	6
9 Energy need for heating, or variants.....	6
9.1 Motivation.....	6
9.2 Indicators.....	7
9.3 Comparable economic strictness.....	8
9.4 New construction/renovation.....	9
9.5 Exceptions.....	9
10 Energy need for cooling, or variants.....	9
11 Combination of “needs”.....	9
12 Overall thermal insulation of the thermal envelope.....	10
12.1 Motivation.....	10
12.2 Indicators.....	10
12.3 Comparable economic strictness.....	10
12.4 New construction/renovation.....	11
12.5 Intermediate forms between overall and individual thermal insulation.....	11
13 Thermal insulation of individual elements of the thermal envelope.....	11
13.1 Motivation.....	11
13.2 Indicators.....	12
13.3 Points of attention.....	12
13.4 Comparable economic strictness.....	14
13.5 New construction/renovation.....	14
13.6 Exceptions.....	15
14 Thermal bridges.....	15
14.1 General.....	15
14.2 Motivation.....	15
14.3 Requirement setting.....	15
14.4 Alternative routes.....	16
14.5 New construction/renovation.....	17
14.6 Further information.....	18
15 Window energy performance.....	18
15.1 Motivation.....	18
15.2 Indicators.....	18
15.3 Points of attention.....	18