
**Thermal insulation — Insulating materials
and products for buildings — Conformity
control systems**

**Part 1:
Factory-made products**

*Isolation thermique — Matériaux et produits d'isolation pour le bâtiment —
Systèmes de contrôle de la conformité*

Partie 1: Produits fabriqués en usine



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.

This document is a preview generated by EVS

© ISO 2001

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.ch
Web www.iso.ch

Printed in Switzerland

Contents

	Page
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Conformity systems, their elements and recommended application of the systems	4
4.1 General	4
4.2 System 1 — Manufacturer's declaration of conformity without any participation of a third party	5
4.3 System 2 — Manufacturer's declaration of conformity, where the manufacturer's production control is certified by a third party	5
4.4 System 3 — Manufacturer's declaration of conformity, where the manufacturer's production control is certified by a third party and initial type testing is done by a third party	5
4.5 System 4 — Product certification by an independent approved certification body	5
4.6 System 5 — Lot testing of the consignment by the customer or his representative	6
5 Factory production control	6
5.1 General	6
5.2 Quality manual	6
5.3 Nature, extent and frequency of inspections and tests	7
5.4 Testing	8
5.5 Indirect testing	8
5.6 Manufacturer's log	9
5.7 Persons responsible for factory production control	9
5.8 Measures in the event of non-compliance with the requirements	9
6 Certification of factory production control and of products	10
6.1 General	10
6.2 Surveillance and assessment of factory production control	10
6.3 Product certification	11
6.4 Measures in the case of non-compliance with the specification or other omissions	12
7 Sampling	12
8 Sample size and acceptance criteria for lot testing (System 5)	13
8.1 Sampling and sample size	13
8.2 Acceptance criteria	14
Bibliography	16

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 part of ISO 12576 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 12576-1 was prepared by Technical Committee ISO/TC 163, *Thermal insulation*, Subcommittee SC 3, *Insulation products for building applications*.

ISO 12576 consists of the following parts, under the general title *Thermal insulation — Insulating materials and products for buildings — Conformity control systems*

— *Part 1: Factory-made products*

Part 2 (Site-made products) is in course of preparation.

Thermal insulation — Insulating materials and products for buildings — Conformity control systems

Part 1: Factory-made products

1 Scope

This part of ISO 12576 establishes five systems for the conformity control of thermal insulating materials and products for buildings that are factory made.

Its purpose is to provide uniform methods that are used to determine whether a production or a consignment of a thermal insulating material should be accepted as conforming to the relevant specification requirements.

This part of ISO 12576 provides minimum requirements for each of the systems.

Other systems may be additionally applied when agreed upon between the supplier and purchaser.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 12576. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 12576 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 2859-1:1999, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*.

ISO 9001:2000, *Quality management systems — Requirements*.

ISO 9229:1991, *Thermal insulation — Materials, products and systems — Vocabulary*.

ISO 14001:1996, *Environmental management systems — Specification with guidance for use*.

ISO 14004:1996, *Environmental management systems — General guidelines on principles, systems and supporting techniques*.

ISO/IEC Guide 40:1983, *General requirements for the acceptance of certification bodies*.

ISO/IEC 17025:1999, *General requirements for the competence of testing and calibration laboratories*.

3 Terms and definitions

For the purposes of this part of ISO 12576, the terms and definitions given in ISO 9229 and the following apply.

3.1

acceptance testing

tests to be carried out to prove whether a product may be accepted as conforming to specified requirements