

This is a preview of "ISO 5001:2012". [Click here to purchase the full version from the ANSI store.](#)

Fifth edition
2012-08-01

Cold-reduced carbon steel sheet for vitreous enamelling

*Tôles en acier au carbone laminées à froid pour émaillage par
vitrification*



Reference number
ISO 5001:2012(E)

© ISO 2012

This is a preview of "ISO 5001:2012". [Click here to purchase the full version from the ANSI store.](#)



COPYRIGHT PROTECTED DOCUMENT

© ISO 2012

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

This is a preview of "ISO 5001:2012". [Click here to purchase the full version from the ANSI store.](#)

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Quality designations for steel sheets for vitreous enamelling	2
5 Conditions of manufacture	2
5.1 Steelmaking	2
5.2 Chemical composition	2
5.3 Chemical analysis	3
5.4 Weldability	4
5.5 Application	4
5.6 Mechanical properties	4
5.7 Strain ageing	5
5.8 Surface condition	6
5.9 Surface finish	6
5.10 Surface quality	6
5.11 Oiling	6
6 Dimensional and shape tolerances	6
7 Tensile test sampling	6
8 Tensile test requirements	6
9 Retests	7
10 Resubmission	7
11 Workmanship	7
12 Inspection and acceptance	7
13 Coil size	7
14 Marking	7
15 Information to be supplied by the purchaser	8
Bibliography	9

This is a preview of "ISO 5001:2012". [Click here to purchase the full version from the ANSI store.](#)

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 2.

The main task of technical committees is to prepare International Standards. 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 document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 5001 was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 12, *Continuous mill flat rolled products*.

This fifth edition cancels and replaces the fourth edition (ISO 5001:2007), which has been technically revised.