
Glass in building — Laminated solar photovoltaic glass for use in buildings

Verre dans la construction — Verre feuilleté photovoltaïque pour utilisation dans les bâtiments

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO/TS 18178:2018](https://standards.iteh.ai/catalog/standards/iso/41a8a846-e2bf-4ca1-b7dc-7fa636489ce6/iso-ts-18178-2018)

<https://standards.iteh.ai/catalog/standards/iso/41a8a846-e2bf-4ca1-b7dc-7fa636489ce6/iso-ts-18178-2018>



iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO/TS 18178:2018](https://standards.iteh.ai/catalog/standards/iso/41a8a846-e2bf-4ca1-b7dc-7fa636489ce6/iso-ts-18178-2018)

<https://standards.iteh.ai/catalog/standards/iso/41a8a846-e2bf-4ca1-b7dc-7fa636489ce6/iso-ts-18178-2018>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2018

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
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Description of components	2
4.1 General.....	2
4.2 Types of glass.....	3
4.3 Typical types of solar cells.....	4
4.4 Interlayer.....	4
4.5 Interconnector.....	4
4.6 Insulating strip.....	4
4.7 Termination.....	4
5 Requirements	5
5.1 General.....	5
5.2 Appearance.....	5
5.2.1 Major visual defects.....	5
5.2.2 Defects in the main area.....	6
5.2.3 Defects in the edge area.....	6
5.3 Dimensions and edge finishing.....	6
5.4 High temperature test.....	6
5.5 Damp heat test.....	6
5.6 Radiation test.....	6
5.7 Thermal cycling test.....	7
5.8 Humidity freeze test.....	7
5.9 Measurement of NMOT.....	7
5.10 Hot-spot endurance test.....	7
5.11 Impact test.....	7
5.12 Ball drop test.....	7
5.13 Insulation test.....	7
5.14 Wet leakage current test.....	7
5.15 Robustness of terminations test.....	8
6 Test specimens	8
7 Test methods	9
7.1 Test sequences.....	9
7.2 Visual inspection.....	9
7.3 High temperature test.....	10
7.4 Damp heat test.....	10
7.5 Radiation test.....	10
7.6 Thermal cycling test.....	10
7.7 Humidity-freeze test.....	10
7.8 Measurement of NMOT.....	10
7.9 Hot-spot endurance test.....	10
7.10 Ball drop test.....	10
7.10.1 Purpose.....	10
7.10.2 Specimen.....	10
7.10.3 Apparatus.....	10
7.10.4 Procedure.....	11
7.11 Insulation test.....	11
7.12 Wet leakage current test.....	12
7.13 Robustness of terminations test.....	12
8 Designation	12

iTeh Standards
(<https://standards.itih.ai>)
Document Preview

[ISO/TS 18178:2018](https://standards.itih.ai/catalog/standards/iso/41a8a846-e2bf-4ca1-b7dc-7fa636489ce6/iso-ts-18178-2018)

<https://standards.itih.ai/catalog/standards/iso/41a8a846-e2bf-4ca1-b7dc-7fa636489ce6/iso-ts-18178-2018>