



**SLOVENSKI STANDARD**  
**oSIST prEN ISO 877-2:2024**  
**01-september-2024**

---

**Polimerni materiali - Metode izpostavitve vremenskim vplivom - 2. del: Vremenski vplivi z dnevno svetlobo, filtrirano skozi steklo (ISO/DIS 877-2:2024)**

Plastics - Methods of exposure to solar radiation - Part 2: Direct weathering and exposure behind window glass (ISO/DIS 877-2:2024)

Kunststoffe - Freibewitterung - Teil 2: Bewitterung und Bestrahlen hinter Fensterglas (ISO/DIS 877-2:2024)

Plastiques - Méthodes d'exposition au rayonnement solaire - Partie 2: Exposition directe et exposition derrière une vitre en verre (ISO/DIS 877-2:2024)

**Ta slovenski standard je istoveten z: prEN ISO 877-2**

[oSIST prEN ISO 877-2:2024](https://standards.nemur.si/catalog/standards/sist/83.080.01/877-2-2024)

<https://standards.nemur.si/catalog/standards/sist/83.080.01/877-2-2024>

**ICS:**

83.080.01	Polimerni materiali na splošno	Plastics in general
-----------	--------------------------------	---------------------

**oSIST prEN ISO 877-2:2024**

**en,fr,de**





# DRAFT International Standard

## ISO/DIS 877-2

### Plastics — Methods of exposure to solar radiation —

#### Part 2: Direct weathering and exposure behind window glass

*Plastiques — Méthodes d'exposition au rayonnement solaire —*

*Partie 2: Exposition directe et exposition derrière une vitre en  
verre*

ICS: 83.080.01

ISO/TC 61/SC 6

Secretariat: **DIN**

Voting begins on:  
**2024-07-18**

Voting terminates on:  
**2024-10-10**

This document is circulated as received from the committee secretariat.

**ISO/CEN PARALLEL PROCESSING**

Reference number  
ISO/DIS 877-2:2024(en)

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENTS AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

© ISO 2024

## ISO/DIS 877-2:2024(en)

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

[oSIST prEN ISO 877-2:2024](https://standards.iteh.ai/catalog/standards/sist/756348d5-96b2-4b05-995a-008f402c3471/osist-pren-iso-877-2-2024)

<https://standards.iteh.ai/catalog/standards/sist/756348d5-96b2-4b05-995a-008f402c3471/osist-pren-iso-877-2-2024>



### **COPYRIGHT PROTECTED DOCUMENT**

© ISO 2024

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  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

## ISO/DIS 877-2:2024(en)

## Contents

Page

<b>Foreword</b> .....	<b>iv</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Principle</b> .....	<b>1</b>
<b>5 Apparatus</b> .....	<b>1</b>
5.1 General requirements.....	1
5.2 Test fixture for exposures using method A.....	2
5.3 Test fixture for exposures using method B.....	2
5.4 Apparatus for measurement of climatic factors.....	3
<b>6 Test specimens</b> .....	<b>3</b>
<b>7 Conditions of exposure of the test specimens</b> .....	<b>4</b>
7.1 Exposure aspect.....	4
7.2 Exposure site.....	4
<b>8 Exposure stages</b> .....	<b>4</b>
8.1 General.....	4
8.2 Duration of exposure.....	4
8.3 Solar radiant exposure.....	5
<b>9 Procedure</b> .....	<b>5</b>
9.1 Mounting of test specimens.....	5
9.1.1 General.....	5
9.1.2 Method A.....	5
9.1.3 Method B.....	5
9.2 Mounting of reference materials (if used).....	5
9.3 Climatic observations.....	5
9.4 Exposure of test specimens.....	5
9.4.1 General.....	5
9.4.2 Method A.....	5
9.4.3 Method B.....	5
9.5 Determination of changes in properties.....	6
<b>10 Expression of results</b> .....	<b>6</b>
10.1 Determination of changes in properties.....	6
10.2 Climatic conditions.....	6
<b>11 Test report</b> .....	<b>6</b>
<b>Bibliography</b> .....	<b>7</b>

## ISO/DIS 877-2:2024(en)

### 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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at [www.iso.org/patents](http://www.iso.org/patents). ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, SC 6, *Ageing, chemical and environmental resistance*.

This second edition cancels and replaces the first edition (ISO 877-2:2009), which has been technically revised.

The main changes are as follows:

- addition of a requirement for the area beneath and in the vicinity of racks in 5.1;
- clarification that no shadow of nearby objects shall fall on the specimens in 7.2;
- addition of Bibliography to include reference from 5.3, NOTE 2;
- deletion of NOTE in 5.4.

A list of all parts in the ISO 877 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).