



# SLOVENSKI STANDARD

## SIST EN 13523-23:2023

01-december-2023

Nadomešča:

SIST EN 13523-23:2015

---

**Prevlčene kovine, ki se navijajo - Preskusne metode - 23. del: Odpornost proti vlažni atmosferi, ki vsebuje žveplov dioksid**

Coil coated metals - Test methods - Part 23: Resistance to humid atmospheres containing sulfur dioxide

Bandbeschichtete Metalle - Prüfverfahren - Teil 23: Beständigkeit gegen feuchte, Schwefeldioxid enthaltende Atmosphären

Tôles prélaquées - Méthodes d'essai - Partie 23 : Résistance à des atmosphères humides contenant du dioxyde de soufre

**Ta slovenski standard je istoveten z: EN 13523-23:2023**

<https://standards.iteh.ai/catalog/standards/sist/1174f927-b6e7-4839-afc4-31af4d583400/sist-en-13523-23-2023>

**ICS:**

25.220.60      Organske prevleke      Organic coatings

**SIST EN 13523-23:2023**

**en,fr,de**



EUROPEAN STANDARD

EN 13523-23

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2023

ICS 17.180.20; 25.220.60

Supersedes EN 13523-23:2015

English Version

## Coil coated metals - Test methods - Part 23: Resistance to humid atmospheres containing sulfur dioxide

Tôles prélaquées - Méthodes d'essai - Partie 23 :  
Résistance à des atmosphères humides contenant du  
dioxyde de soufre

Bandbeschichtete Metalle - Prüfverfahren - Teil 23:  
Beständigkeit gegen feuchte, Schwefeldioxid  
enthaltende Atmosphären

This European Standard was approved by CEN on 12 May 2023.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

# Document Preview

[SIST EN 13523-23:2023](https://standards.iteh.ai/catalog/standards/sist/1174f927-b6e7-4839-afc4-31af4d583400/sist-en-13523-23-2023)

<https://standards.iteh.ai/catalog/standards/sist/1174f927-b6e7-4839-afc4-31af4d583400/sist-en-13523-23-2023>



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

<b>Contents</b>		Page
<b>European foreword</b> .....		3
<b>Introduction</b> .....		5
<b>1</b>	<b>Scope</b> .....	6
<b>2</b>	<b>Normative references</b> .....	6
<b>3</b>	<b>Terms and definitions</b> .....	6
<b>4</b>	<b>Principle</b> .....	6
<b>5</b>	<b>Apparatus</b> .....	6
<b>6</b>	<b>Sampling</b> .....	7
<b>7</b>	<b>Test specimens</b> .....	7
<b>8</b>	<b>Procedure</b> .....	7
<b>9</b>	<b>Expression of results</b> .....	8
<b>10</b>	<b>Precision</b> .....	8
<b>11</b>	<b>Test report</b> .....	8
<b>Bibliography</b> .....		9

  
 (https://standards.iteh.ai)  
 Document Preview

[SIST EN 13523-23:2023](https://standards.iteh.ai/catalog/standards/sist/1174f927-b6e7-4839-afc4-31af4d583400/sist-en-13523-23-2023)

<https://standards.iteh.ai/catalog/standards/sist/1174f927-b6e7-4839-afc4-31af4d583400/sist-en-13523-23-2023>

## European foreword

This document (EN 13523-23:2023) has been prepared by Technical Committee CEN/TC 139 “Paints and varnishes”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2024, and conflicting national standards shall be withdrawn at the latest by April 2024.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13523-23:2015.

In comparison with the previous edition, the following technical modifications have been made:

- a) the normative references have been updated;
- b) the text has been editorially revised.

The EN 13523 series, *Coil coated metals — Test methods*, consists of the following parts:

- *Part 0: General introduction*
- *Part 1: Film thickness*
- *Part 2: Gloss*
- *Part 3: Colour difference and metamerism — Instrumental comparison*
- *Part 4: Pencil hardness*
- *Part 5: Resistance to rapid deformation (impact test)*
- *Part 6: Adhesion after indentation (cupping test)*
- *Part 7: Resistance to cracking on bending (T-bend test)*
- *Part 8: Resistance to salt spray (fog)*
- *Part 9: Resistance to water immersion*
- *Part 10: Resistance to fluorescent UV radiation and water condensation*
- *Part 11: Resistance to solvents (rubbing test)*
- *Part 12: Resistance to scratching*
- *Part 13: Resistance to accelerated ageing by the use of heat*
- *Part 14: Chalking (Helmen method)*
- *Part 16: Resistance to abrasion*

**prEN 13523-23:2022 (E)**

- *Part 17: Adhesion of strippable films*
- *Part 18: Resistance to staining*
- *Part 19: Panel design and method of atmospheric exposure testing*
- *Part 20: Foam adhesion*
- *Part 21: Evaluation of outdoor exposed panels*
- *Part 22: Colour difference — Visual comparison*
- *Part 23: Resistance to humid atmospheres containing sulfur dioxide*
- *Part 24: Resistance to blocking and pressure marking*
- *Part 25: Resistance to humidity*
- *Part 26: Resistance to condensation of water*
- *Part 27: Resistance to humid poultice (Cataplasma test)*
- *Part 29: Resistance to environmental soiling (Dirt pick-up and striping)*

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

[SIST EN 13523-23:2023](https://standards.iteh.ai/catalog/standards/sist/1174f927-b6e7-4839-afc4-31af4d583400/sist-en-13523-23-2023)

<https://standards.iteh.ai/catalog/standards/sist/1174f927-b6e7-4839-afc4-31af4d583400/sist-en-13523-23-2023>