



# SLOVENSKI STANDARD

## SIST EN 13523-21:2024

01-september-2024

Nadomešča:

SIST EN 13523-21:2017

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**Prevlečene kovine, ki se navijajo - Preskusne metode - 21. del: Vrednotenje preskušancev, izpostavljenih zunanjemu okolju**

Coil coated metals - Test methods - Part 21: Evaluation of outdoor exposed panels

Bandbeschichtete Metalle - Prüfverfahren - Teil 21: Bewertung von freibewitterten Probenplatten

Tôles prélaquées - Méthodes d'essai - Partie 21 : Évaluation des panneaux exposés en extérieur

**Ta slovenski standard je istoveten z: EN 13523-21:2024**

<https://standards.iteh.ai/catalog/standards/sist/6277b04e-3d84-42fd-b223-b0965b5c8bf9/sist-en-13523-21-2024>

**ICS:**

17.040.20	Lastnosti površin	Properties of surfaces
25.220.60	Organske prevleke	Organic coatings

**SIST EN 13523-21:2024**

**en,fr,de**



EUROPEAN STANDARD

EN 13523-21

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2024

ICS 25.220.60

Supersedes EN 13523-21:2017

English Version

## Coil coated metals - Test methods - Part 21: Evaluation of outdoor exposed panels

Tôles prélaquées - Méthodes d'essai - Partie 21 :  
Évaluation des panneaux exposés en extérieur

Bandbeschichtete Metalle - Prüfverfahren - Teil 21:  
Bewertung von freibewitterten Probenplatten

This European Standard was approved by CEN on 1 January 2024.

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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.

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

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

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## European foreword

This document (EN 13523-21:2024) 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of an identical text or by endorsement, at the latest by October 2024, and conflicting national standards shall be withdrawn at the latest by October 2024.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 13523-21:2017.

EN 13523-21:2024 includes the following significant technical changes with respect to EN 13523-21:2017:

- a) a definition for “undercreep” has been added
- b) visual assessment of chalking in accordance with EN ISO 4628-6 has been added to 8.3.2;
- c) the canopy and overlap areas of Type 2 (90°N) and Type 3 (5°S) panels respectively have been defined in 8.3.3 and 8.3.4;
- d) the text has been editorially revised and the normative references have been updated.

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*

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- *Part 13: Resistance to accelerated ageing by the use of heat*
- *Part 14: Chalking (Helmen method)*
- *Part 16: Resistance to abrasion*
- *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.

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