

DIN EN ISO 12944-8



ICS 87.020; 91.080.13

Supersedes
DIN EN ISO 12944-8:1998-07

**Paints and varnishes –
Corrosion protection of steel structures by protective paint systems –
Part 8: Development of specifications for new work and maintenance
(ISO 12944-8:2017);
English version EN ISO 12944-8:2017,
English translation of DIN EN ISO 12944-8:2018-04**

Beschichtungsstoffe –
Korrosionsschutz von Stahlbauten durch Beschichtungssysteme –
Teil 8: Erarbeiten von Spezifikationen für Erstschutz und Instandsetzung (ISO 12944-8:2017);
Englische Fassung EN ISO 12944-8:2017,
Englische Übersetzung von DIN EN ISO 12944-8:2018-04

Peintures et vernis –
Anticorrosion des structures en acier par systèmes de peinture –
Partie 8: Développement de spécifications pour les travaux neufs et de maintenance
(ISO 12944-8:2017);
Version anglaise EN ISO 12944-8:2017,
Traduction anglaise de DIN EN ISO 12944-8:2018-04

Document comprises 45 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This document (EN ISO 12944-8:2017) has been prepared by Technical Committee ISO/TC 35 “Paints and varnishes” in collaboration with Technical Committee CEN/TC 139 “Paints and varnishes” (Secretariat: DIN, Germany).

The responsible German body involved in its preparation was *DIN-Normenausschuss Beschichtungsstoffe und Beschichtungen* (DIN Standards Committee Coatings and Coating Materials), Subcommittee NA 002-00-10-01 UA “General” of Working Committee NA 002-00-10 AA “Corrosion protection of steel structures”.

The DIN Standards corresponding to the International Standards referred to in this document are as follows:

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| ISO 2409 | DIN EN ISO 2409 |
| ISO 2808 | DIN EN ISO 2808 |
| ISO 4624 | DIN EN ISO 4624 |
| ISO 4628-2 | DIN EN ISO 4628-2 |
| ISO 4628-3 | DIN EN ISO 4628-3 |
| ISO 4628-4 | DIN EN ISO 4628-4 |
| ISO 4628-5 | DIN EN ISO 4628-5 |
| ISO 4628-6 | DIN EN ISO 4628-6 |
| ISO 4628-10 | DIN EN ISO 4628-10 |
| ISO 8501-1 | DIN EN ISO 8501-1 |
| ISO 8501-2 | DIN EN ISO 8501-2 |
| ISO 8501-3 | DIN EN ISO 8501-3 |
| ISO 8501-4 | DIN EN ISO 8501-4 |
| ISO 8502-3 | DIN EN ISO 8502-3 |
| ISO 8502-6 | DIN EN ISO 8502-6 |
| ISO 8502-9 | DIN EN ISO 8502-6 |
| ISO 8503-1 | DIN EN ISO 8503-1 |
| ISO 8503-2 | DIN EN ISO 8503-2 |
| ISO 8503-3 | DIN EN ISO 8503-3 |
| ISO 8503-4 | DIN EN ISO 8503-4 |
| ISO 11124 (all parts) | DIN EN ISO 11124 (all parts) |
| ISO 11126 (all parts) | DIN EN ISO 11126 (all parts) |
| ISO 12944-1 | DIN EN ISO 12944-1 |
| ISO 12944-2 | DIN EN ISO 12944-2 |
| ISO 12944-3 | DIN EN ISO 12944-3 |
| ISO 12944-4 | DIN EN ISO 12944-4 |
| ISO 12944-5 | DIN EN ISO 12944-5 |
| ISO 12944-6 | DIN EN ISO 12944-6 |
| ISO 12944-7:2017 | DIN EN ISO 12944-7:2018-04 |
| ISO 12944-9 | DIN EN ISO 12944-9 |
| ISO 16276-1 | DIN EN ISO 16276-1 |
| ISO 16276-2 | DIN EN ISO 16276-2 |

Amendments

This standard differs from DIN EN ISO 12944-8:1998-07 as follows:

- a) normative references have been updated;
- b) in Clause 3, a definition for “sample area” has been included;
- c) in Clause 4, a reference to Annex D and the use of sample areas has been included;
- d) in Table 1, subclause 1.6.3 on water soluble contaminants and subclause 1.6.4 on dust have been added;
- e) in Table 1, requirements for the type of structure and constituent element have been deleted;
- f) in subclause 2.4.5, Table 2, the possibility of the use of sample areas has been included;
- g) in Table B.1, Wa 1, Wa 2 and Wa 2½ according to ISO 8501-4 have been included as further surface preparation grades;
- h) in subclause E.1.1, the categories C5-I and C5-M have been renamed as C5 and CX;
- i) in Clause E.2, the category Im4 has been added;
- j) Annex F has been deleted;
- k) in Annex I (former Annex J), the surface preparation grade “Flame cleaning” has been deleted;
- l) in Annex I (former Annex J), further surface preparation grades have been added;
- m) the Bibliography has been updated;
- n) the standard has been editorially revised.

Previous editions

DIN 55928: 1956-11, 1959-06x
 DIN 55928-3: 1978-11, 1991-05
 DIN 55928-7: 1980-02, 1991-05
 DIN EN ISO 12944-8: 1998-07

National Annex NA (informative)

Bibliography

DIN EN ISO 2409, *Paints and varnishes — Cross-cut test*

DIN EN ISO 2808, *Paints and varnishes — Determination of film thickness*

DIN EN ISO 4624, *Paints and varnishes — Pull-off test for adhesion*

DIN EN ISO 4628-2, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 2: Assessment of degree of blistering*

DIN EN ISO 4628-3, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 3: Assessment of degree of rusting*

DIN EN ISO 4628-4, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 4: Assessment of degree of cracking*

DIN EN ISO 4628-5, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 5: Assessment of degree of flaking*

DIN EN ISO 4628-6, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 6: Assessment of degree of chalking by tape method*

DIN EN ISO 4628-10, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 10: Assessment of degree of filiform corrosion*

DIN EN ISO 8501-1, *Preparation of steel substrates before application of paints and related products — Visual assessment of surface cleanliness — Part 1: Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings*

DIN EN ISO 8501-2, *Preparation of steel substrates before application of paints and related products — Visual assessment of surface cleanliness — Part 2: Preparation grades of previously coated steel substrates after localized removal of previous coatings*

DIN EN ISO 8501-3, *Preparation of steel substrates before application of paints and related products — Visual assessment of surface cleanliness — Part 3: Preparation grades of welds, edges and other areas with surface imperfections*

DIN EN ISO 8501-4, *Preparation of steel substrates before application of paints and related products — Visual assessment of surface cleanliness — Part 4: Initial surface conditions, preparation grades and flash rust grades in connection with high-pressure water jetting*

DIN EN ISO 8502-3, *Preparation of steel substrates before application of paints and related products — Tests for the assessment of surface cleanliness — Part 3: Assessment of dust on steel surfaces prepared for painting (pressure-sensitive tape)*

DIN EN ISO 8502-6, *Preparation of steel substrates before application of paints and related products — Tests for the assessment of surface cleanliness — Part 6: Extraction of soluble contaminants for analysis — The Bresle method*

DIN EN ISO 8502-9, *Preparation of steel substrates before application of paints and related products — Tests for the assessment of surface cleanliness — Part 9: Field method for the conductometric determination of water-soluble salts*

DIN EN ISO 8503-1, *Preparation of steel substrates before application of paints and related products — Surface roughness characteristics of blast-cleaned steel substrates — Part 1: Specifications and definitions for ISO surface profile comparators for the assessment of abrasive blast-cleaned surfaces*

DIN EN ISO 8503-2, *Preparation of steel substrates before application of paints and related products — Surface roughness characteristics of blast-cleaned steel substrates — Part 2: Method for the grading of surface profile of abrasive blast-cleaned steel — Comparator procedure*

DIN EN ISO 8503-3, *Preparation of steel substrates before application of paints and related products — Surface roughness characteristics of blast-cleaned steel substrates — Part 3: Method for the calibration of ISO surface profile comparators and for the determination of surface profile — Focusing microscope procedure*

DIN EN ISO 8503-4, *Preparation of steel substrates before application of paints and related products — Surface roughness characteristics of blast-cleaned steel substrates — Part 4: Method for the calibration of ISO surface profile comparators and for the determination of surface profile — Stylus instrument procedure*

DIN EN ISO 11124 (all parts), *Preparation of steel substrates before application of paints and related products — Specifications for metallic blast-cleaning abrasives*

DIN EN ISO 11126 (all parts), *Preparation of steel substrates before application of paints and related products — Specifications for non-metallic blast-cleaning abrasives*

DIN EN ISO 12944-1, *Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Part 1: General introduction*

DIN EN ISO 12944-2, *Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Part 2: Classification of environments*

DIN EN ISO 12944-3, *Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Part 3: Design considerations*

DIN EN ISO 12944-4, *Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Part 4: Types of surface and surface preparation*

DIN EN ISO 12944-5, *Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Part 5: Protective paint systems*

DIN EN ISO 12944-6, *Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Part 6: Laboratory performance test*

DIN EN ISO 12944-7:2018-04, *Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Part 7: Execution and supervision of paint work (ISO/DIS 12944-7:2016)*

DIN EN ISO 12944-9, *Paints and varnishes — Corrosion protection of steel structures by protective paint systems — Part 9: Protective paint systems and laboratory performance test methods for offshore and related structures*