November 2021

# DIN EN ISO 22553-8

ICS 87.040

Supersedes
DIN 55655-8:2017-07

# Paints and varnishes – Electro-deposition coatings – Part 8: Electric charge density (ISO 22553-8:2020); English version EN ISO 22553-8:2021, English translation of DIN EN ISO 22553-8:2021-11

Beschichtungsstoffe –
Elektrotauchlacke –
Teil 8: Abscheideäquivalent (ISO 22553-8:2020);
Englische Fassung EN ISO 22553-8:2021,
Englische Übersetzung von DIN EN ISO 22553-8:2021-11

Peintures et vernis –
Peintures d'électrodéposition –
Partie 8: Charge électrique volumique (ISO 22553-8:2020);
Version anglaise EN ISO 22553-8:2021,
Traduction anglaise de DIN EN ISO 22553-8:2021-11

Document comprises 19 pages

Translation by DIN-Sprachendienst.

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



10.21 3301100

*A comma is used as the decimal marker.*

## National foreword

The text of ISO 22553-8:2020 has been prepared by Technical Committee ISO/TC 35 “Paints and varnishes” and has been adopted as EN ISO 22553-8:2021 by 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), Working Group NA 002-00-07-09 AK “Automotive coating materials”.

DIN EN ISO 22553 consists of the following parts, under the general title *Paints and varnishes — Electro-deposition coatings:*

— *Part 1: Vocabulary*

— *Part 2: Throwing power*

— *Part 3: Compatibility of electro-deposition coating materials with a reference oil*

— *Part 4: Compatibility of electro-deposition coating materials with liquid, paste-like and solid foreign materials*

— *Part 5: Determination of sieve residue*

— *Part 6: Entry marks*

— *Part 7: Electrical wet-film resistance*

— *Part 8: Electric charge density*

— *Part 9: Stoving loss*

— *Part 11: Bath stability*

— *Part 12: Sedimentation on horizontal areas*

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

| | |
|---|---|
| ISO 1514 | DIN EN ISO 1514 |
| ISO 2808 | DIN EN ISO 2808 |
| ISO 3233-2:2014 | DIN EN ISO 3233-2:2014-10 |
| ISO 3233-3:2015 | DIN EN ISO 3233-3:2015-09 |
| ISO 4618 | DIN EN ISO 4618 |
| ISO 22553-1 | DIN EN ISO 22553-1 |
| ISO 23321 | DIN EN ISO 23321 |

For current information on this document, please go to DIN’s website (www.din.de) and search for the document number in question.

**Amendments**

This standard differs from DIN 55655-8:2017-07 as follows:

a) the status of the standard has been changed due to the adoption of the European Standard EN ISO 22553-8;

b) normative references have been updated;

c) the document has been editorially revised.

**Previous editions**

DIN 55655-8: 2017-07

# National Annex NA
(informative)

# Bibliography

DIN EN ISO 1514, *Paints and varnishes — Standard panels for testing*

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

DIN EN ISO 3233-2:2014-10, *Paints and varnishes — Determination of percentage volume of non-volatile matter — Part 2: Method using the determination of non-volatile-matter content in accordance with ISO 3251 and determination of dry film density on coated test panels by the Archimedes principle (ISO 3233-2:2014)*

DIN EN ISO 3233-3:2015-09, *Paints and varnishes — Determination of percentage volume of non-volatile matter — Part 3: Determination by calculation from the non-volatile-matter content determined in accordance with ISO 3251, the density of the coating material and the density of the solvent in the coating material (ISO 3233-3:2015)*

DIN EN ISO 4618, *Paints and varnishes — Terms and definitions*

DIN EN ISO 22553-1, *Paints and varnishes — Electro-deposition coatings — Part 1: Terminology*

DIN EN ISO 23321, *Solvents for paints and varnishes — Demineralized water for industrial applications — Specification and test methods*