

**Värvid ja lakid. Kaetud pindadele tekkinud
defektide hindamine optilisi ülesvõttetehnikaid
kasutades. Osa 4: Filiform korrosiooni hindamine**

Paints and varnishes - Evaluation of defects on coated
surfaces using optical imaging - Part 4: Evaluation of
filiform corrosion

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 21227-4:2008 sisaldab Euroopa standardi EN ISO 21227-4:2008 ingliskeelset teksti.

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English Version

Paints and varnishes - Evaluation of defects on coated surfaces
using optical imaging - Part 4: Evaluation of filiform corrosion
(ISO 21227-4:2008)

Peintures et vernis - Évaluation par imagerie optique des
défauts des surfaces revêtues - Partie 4: Évaluation de la
corrosion filiforme (ISO 21227-4:2008)

Beschichtungsstoffe - Beurteilung von
Beschichtungsschäden mittels digitaler Bildverarbeitung -
Teil 4: Beurteilung von Filiformkorrosion (ISO 21227-
4:2008)

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Foreword

This document (EN ISO 21227-4:2008) has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" in collaboration with 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of an identical text or by endorsement, at the latest by September 2008, and conflicting national standards shall be withdrawn at the latest by September 2008.

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Endorsement notice

The text of ISO 21227-4:2008 has been approved by CEN as a EN ISO 21227-4:2008 without any modification.

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Introduction

Conventional ISO test methods used for evaluating surface defects and appearance changes often utilize pictorial standards which depict particular types of surface deterioration and require human visual evaluation. The technology described in the various parts of this International Standard can yield more objective, accurate, quantitative and reproducible results when compared to the human visual evaluation techniques.

Paints and varnishes — Evaluation of defects on coated surfaces using optical imaging —

Part 4: Evaluation of filiform corrosion

1 Scope

This part of ISO 21227 describes a method for evaluating filiform corrosion by means of digital optical imaging. The filiform corrosion can be produced in accordance with ISO 4623-1, ISO 4623-2 or EN 3665.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4623-1, *Paints and varnishes — Determination of resistance to filiform corrosion — Part 1: Steel substrates*

ISO 4623-2, *Paints and varnishes — Determination of resistance to filiform corrosion — Part 2: Aluminium substrates*

ISO 21227-1, *Paints and varnishes — Evaluation of defects on coated surfaces using optical imaging — Part 1: General guidance*

EN 3665, *Aerospace series — Test methods for paints and varnishes — Filiform corrosion resistance test on aluminium alloys*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 21227-1 and the following apply.

3.1

filiform corrosion

type of corrosion proceeding under a coat of paint, varnish or related product, in the form of filaments, generally starting from bare edges or from local damage to the coating

NOTE 1 Usually, the filaments are irregular in length and direction of growth, but they may also be nearly parallel and of approximately equal length.

NOTE 2 Filiform corrosion can also occur under other protective coatings.

[ISO 4623-1]