

Paints and varnishes - Determination of the resistance of coatings to pressure water-jetting (ISO 16925:2014)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Paints and varnishes - Determination of the resistance of
coatings to pressure water-jetting (ISO 16925:2014)

Peintures et vernis - Détermination de la résistance des
revêtements à un jet d'eau sous pression (ISO 16925:2014)

Beschichtungsstoffe - Prüfung der Beständigkeit von
Beschichtungen gegen Druckwasserstrahl (ISO
16925:2014)

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COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN ISO 16925:2014) 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of an identical text or by endorsement, at the latest by August 2014, and conflicting national standards shall be withdrawn at the latest by August 2014.

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Endorsement notice

The text of ISO 16925:2014 has been approved by CEN as EN ISO 16925:2014 without any modification.

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Paints and varnishes — Determination of the resistance of coatings to pressure water-jetting

1 Scope

This International Standard specifies a test method for the assessment of the resistance of coatings to pressure water-jetting. The test method simulates the effects pressure water-jetting has on a coating.

2 Normative references

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

ISO 1513, *Paints and varnishes — Examination and preparation of test samples*

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

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

ISO 15528, *Paints, varnishes and raw materials for paints and varnishes — Sampling*

ISO 17872, *Paints and varnishes — Guidelines for the introduction of scribe marks through coatings on metallic panels for corrosion testing*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4618 and the following apply.

3.1

fracture strength

force required to exceed the attachment forces

- between coats or between coat and substrate (adhesion) and/or
- within a coat (cohesion)

[SOURCE: ISO 16276-1:2007, 3.1]

3.2

adhesion

phenomenon of attachment at the interface between a solid surface and another material caused by molecular forces

Note 1 to entry: Adhesion should not be confused with cohesion.

[SOURCE: ISO 4618:2006, 2.6]

3.3

cohesion

forces that bind a film into an integral entity

Note 1 to entry: Cohesion should not be confused with adhesion.

Note 2 to entry: Breaks in cohesion can occur within the coating as well as the substrate. In case of breaks within the substrate, it is subsumed under the term material delamination.