

**Non-destructive testing - Penetrant testing - Part 2:
Testing of penetrant materials (ISO 3452-2:2013)**

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NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 3452-2:2013 sisaldab Euroopa standardi EN ISO 3452-2:2013 inglisekeelset teksti.	This Estonian standard EVS-EN ISO 3452-2:2013 consists of the English text of the European standard EN ISO 3452-2:2013.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 20.11.2013.	Date of Availability of the European standard is 20.11.2013.
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English Version

Non-destructive testing - Penetrant testing - Part 2: Testing of penetrant materials (ISO 3452-2:2013)

Essais non destructifs - Examen par ressuage - Partie 2:
Essai des produits de ressuage (ISO 3452-2:2013)

Zerstörungsfreie Prüfung - Eindringprüfung - Teil 2: Prüfung
von Eindringprüfmitteln (ISO 3452-2:2013)

This European Standard was approved by CEN on 19 October 2013.

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

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Foreword

The text of ISO 3452-2:2013 has been prepared by Technical Committee ISO/TC 135 “Non-destructive testing” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 3452-2:2013 by Technical Committee CEN/TC 138 “Non-destructive testing” the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by May 2014, and conflicting national standards shall be withdrawn at the latest by May 2014.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 3452-2:2006.

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Endorsement notice

The text of ISO 3452-2:2013 has been approved by CEN as EN ISO 3452-2:2013 without any modification.

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Non-destructive testing — Penetrant testing —

Part 2:

Testing of penetrant materials

SAFETY PRECAUTIONS — The materials required by this part of ISO 3452 include chemicals which may be harmful, flammable and/or volatile. All necessary precautions shall be observed. All relevant International, national and local regulations pertaining to health and safety, environmental requirements, etc. shall be observed.

1 Scope

This part of ISO 3452 specifies the technical requirements and test procedures for penetrant materials for their type testing and batch testing. This part of ISO 3452 covers the temperature range 10 °C to 50 °C. Additional tests in part 5 or part 6 of ISO 3452 may be required outside this range.

On-site control tests and methods are detailed in ISO 3452-1.

2 Normative references

The following referenced 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 3059, *Non-destructive testing — Penetrant testing and magnetic particle testing - Viewing conditions*

ISO 3452-1:2013, *Non-destructive testing — Penetrant testing — Part 1: General principles*

ISO 3452-3, *Non-destructive testing — Penetrant testing — Part 3: Reference test blocks*

ISO 9712, *Non-destructive testing — Qualification and certification of NDT personnel*

ISO 10474, *Steel and steel products — Inspection documents*

ISO 12706, *Non-destructive testing — Penetrant testing — Vocabulary*

ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 12706, ISO 3452-1 and the following apply.

3.1

batch

quantity of material manufactured in one production having uniform properties throughout and with a unique identifying number or mark

3.2

candidate

sample of the testing product submitted for evaluation in accordance with this part of ISO 3452