

**Plastics piping and ducting systems - Thermoplastics
shafts or risers for inspection chambers and manholes -
Determination of ring stiffness**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 14982:2006+A1:2010 sisaldab Euroopa standardi EN 14982:2006+A1:2010 ingliskeelset teksti.

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Standard on kättesaadav Eesti standardiorganisatsioonist.

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English Version

Plastics piping and ducting systems - Thermoplastics shafts or risers for inspection chambers and manholes - Determination of ring stiffness

Systèmes de canalisations et de gaines en plastique -
Éléments de rehausse en matière thermoplastique pour
chambres d'inspection ou regards - Détermination de la
rigidité annulaire

Kunststoff-Rohrleitungssysteme und Schutzrohrsysteme -
Schachtringe und Steigrohre für Kontroll- und
Einsteigschächte aus thermoplastischen Kunststoffen -
Bestimmung der Ringsteifigkeit

This European Standard was approved by CEN on 28 August 2006 and includes Amendment 1 approved by CEN on 2 August 2010.

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Foreword

This document (EN 14982:2006+A1:2010) has been prepared by Technical Committee CEN/TC 155 “Plastics piping systems and ducting systems”, the secretariat of which is held by NEN.

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of an identical text or by endorsement, at the latest by March 2011, and conflicting national standards shall be withdrawn at the latest by March 2011.

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 includes Amendment 1, approved by CEN on 2010-08-02.

This document supersedes EN 14982:2006.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** and **A1**.

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1 Scope

This European Standard specifies a test method for assessing the initial (short-term) tangential ring stiffness of riser shafts for thermoplastics inspection chambers or manholes.

NOTE This is intended as a test of the structural integrity of riser shafts supporting product standards A_1 EN 13598-2 [1] A_1 and prEN 15229 [2].

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.

A_1 EN ISO 9969, *Thermoplastics pipes — Determination of ring stiffness (ISO 9969:2007)* A_1

ISO 48, *Rubber, vulcanized or thermoplastic — Determination of hardness (hardness between 10 IRHD and 100 IRHD)*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
inspection chamber
drainage and sewerage fitting used for the connection of drainage or sewerage installations and/or for changing the direction of drainage/sewerage runs. An inspection chamber terminates at ground level, permitting the introduction of cleaning, inspection and test equipment and the removal of debris but it does not provide access for personnel. The riser shaft connected to these fittings has a minimum outside diameter of 200 mm and a maximum inside diameter of less than 800 mm

3.2
manhole
drainage and sewerage fitting used for the connection of drainage or sewerage installations and/or for changing the direction of drainage/sewerage runs. A manhole terminates at ground level, permitting the introduction of cleaning, inspection and test equipment and the removal of debris and also providing access for personnel. The minimum inside diameter of a manhole riser shaft is 800 mm

3.3
structured-wall ancillary fitting
fitting with an optimized structural design with regard to material usage, but which still achieves the relevant performance requirements. These fittings could be circular or rectangular in design

3.4
regular cross section shaft
riser shaft either fabricated from plain pipe or from structured wall pipe or fittings with a regular symmetrical design on their external surface. These products could be manufactured by extrusion, injection moulding, blow moulding or rotational moulding