EESTI STANDARD EVS-EN 14540:2004+A1:2007

Fire-fighting hoses - Non-percolating layflat hoses for fixed systems KONSOLIDEERITUD TEKST

Fire-fighting hoses - Non-percolating layflat hoses for fixed systems CONSOLIDATED TEXT

EESTI STANDARDIKESKUS

EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 14540:2004+A1:2007 sisaldab Euroopa standardi EN 14540:2004+A1:2007 ingliskeelset teksti. Käesolev dokument on jõustatud 31.05.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 14540:2004+A1:2007 consists of the English text of the European standard EN 14540:2004+A1:2007. This document is endorsed on 31.05.2007 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: This European Standard specifies the requirements and test methods for non-percolating layflat hoses for fixed systems. The hoses are intended for use at a maximum working pressure of 1,5 MPa over a range of inside diameters from 15 mm to 52 mm	**Scope:** This European Standard specifies the requirements and test methods for non-percolating layflat hoses for fixed systems. The hoses are intended for use at a maximum working pressure of 1,5 MPa over a range of inside diameters from 15 mm to 52 mm

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Fire-fighting hoses - Non-percolating layflat hoses for fixed systems

Tuyaux de lutte contre l'incendie - Tuyaux aplatissables étanches pour systèmes fixes

Feuerlöschschläuche - Flachschläuche für Wandhydranten

This European Standard was approved by CEN on 1 August 2003 and includes Amendment 1 approved by CEN on 12 March 2007.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN 14540:2004+A1:2007) has been prepared by Technical Committee CEN/TC 192 “Fire service equipment”, the secretariat of which is held by BSI.

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 October 2007 and conflicting national standards shall be withdrawn at the latest by October 2007.

This document includes Amendment 1, approved by CEN on 2007-03-12.

This document supersedes EN 14540:2004.

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

The standard is based on recommendations from CEN/TC 191 “Fixed fire fighting systems” and should be read in conjunction with EN 671-2.

⟨A1⟩ *deleted text* ⟨A1⟩

At present there is no existing ISO standard on the same subject.

⟨A1⟩ *deleted text* ⟨A1⟩.

Users of this European Standard are advised to consider the desirability of independent certification of product conformity with this European Standard based on testing and continuing surveillance, which may be coupled with assessment of a supplier's quality systems against EN ISO 9001.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

A fixed system is a manually operated unit installed in a building in order to make it possible for the occupants to control and extinguish a small fire. The system consists of fixed units mounted on walls or in cabinets permanently connected to a water supply. The fixed units are composed of a coupling, a valve with a pressure indicator, a layflat water filled hose with its support and a nozzle.

1 Scope

This European Standard specifies the requirements and test methods for non-percolating layflat hoses for fixed systems. The hoses are intended for use at a maximum working pressure of 1,5 MPa over a range of inside diameters from 25 mm to 52 mm.

The standard applies exclusively to hoses for fire-fighting purposes intended for use at a minimum ambient temperature of -20 °C in normal conditions, and a minimum temperature of -30 °C in colder climatic conditions.

Hoses conforming to this standard should be used with fire hose couplings conforming to the relevant national standards for couplings.

〚A1〛 Hoses in marine applications and/or aggressive environments to be used with wall hydrants as specified in EN 671-2 can conform to the requirements of this standard. 〚/A1〛

NOTE All pressures are gauge pressures and are expressed in megapascals[1].

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 28033, *Rubber and plastics hoses — Determination of adhesion between components (ISO 8033:1991)*.

EN ISO 1307, *Rubber and plastics hoses for general purpose industrial applications — Bore diameters and tolerances, and tolerances on length (ISO 1307:1992)*.

EN ISO 1402, *Rubber and plastics hoses and hose assemblies — Hydrostatic testing (ISO 1402:1994)*.

EN ISO 4671, *Rubber and plastics hoses and hose assemblies — Methods of measurement of dimensions (ISO 4671:1999)*.

EN ISO 8330:2000, *Rubber and plastics hoses and hose assemblies - Vocabulary (ISO 8330:1998)*.

ISO 188, *Rubber, vulcanised or thermoplastic — Accelerated ageing or heat resistance tests*.

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN ISO 8330:2000 and the following apply.

[1] 1 MPa = 10 bar