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Rubber hoses for agricultural spraying

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 1401:2000 sisaldab Euroopa standardi EN ISO 1401:1999 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 12.09.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 1401:2000 consists of the English text of the European standard EN ISO 1401:1999.</p> <p>This document is endorsed on 12.09.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This standard specifies requirements for three types of flexible rubber hose for pressure spraying of agropharmaceutical and/or fertilizer products within a temperature range of -10 degrees C to +60 degrees C.</p>	<p>Scope:</p> <p>This standard specifies requirements for three types of flexible rubber hose for pressure spraying of agropharmaceutical and/or fertilizer products within a temperature range of -10 degrees C to +60 degrees C.</p>
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ICS 83.060, 83.140

Võtmesõnad: agricultural machinery, agricultural sprayers, classification, dimensions, hoses, marking, physical properties, rubber hoses, specifications

ICS 83.060; 83.140

English version

**Rubber hoses for agricultural spraying
(ISO 1401 : 1999)**

Tuyaux en caoutchouc pour
pulvérisation agricole
(ISO 1401 : 1999)

Gummischläuche zum Sprühen in der
Landwirtschaft (ISO 1401 : 1999)

This European Standard was approved by CEN on 1999-11-13.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 1401 : 1999 Rubber hoses for agricultural spraying, which was prepared by ISO/TC 45 'Rubber and rubber products' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 218 'Rubber and plastics hoses and hose assemblies', the Secretariat of which is held by BSI, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by June 2000 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 1401 : 1999 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative).

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1 Scope

This International Standard specifies requirements for three types of flexible rubber hose for pressure spraying of agropharmaceutical and/or fertilizer products within a temperature range of $-10\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 37, *Rubber, vulcanized or thermoplastic — Determination of tensile stress-strain properties.*

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

ISO 471, *Rubber — Temperatures, humidities and times for conditioning and testing.*

ISO 1307, *Rubber and plastics hoses for general-purpose industrial applications — Bore diameters and tolerances, and tolerances on length.*

ISO 1402, *Rubber and plastics hoses and hose assemblies — Hydrostatic testing.*

ISO 1746, *Rubber or plastics hoses and tubing — Bending tests.*

ISO 1817, *Rubber, vulcanized — Determination of the effect of liquids.*

ISO 4671, *Rubber and plastics hoses and hose assemblies — Methods of measurement of dimensions.*

ISO 7326:1991, *Rubber and plastics hoses — Assessment of ozone resistance under static conditions.*

ISO 8033, *Rubber and plastics hose — Determination of adhesion between components.*

3 Classification

Three types of hose are specified as follows:

- type A: Maximum working pressure of 1,0 MPa (10 bar);
- type B: Maximum working pressure of 4,0 MPa (40 bar);
- type C: Maximum working pressure of 6,0 MPa (60 bar)