

Footwear manufacturing wastes - Waste classification and management

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12940:2004 sisaldab Euroopa standardi EN 12940:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 23.11.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12940:2004 consists of the English text of the European standard EN 12940:2004.</p> <p>This document is endorsed on 23.11.2004 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: This European Standard specifies the process steps which are involved in the generation of the waste from footwear manufacture and the usual waste management practices. It also establishes a European list of the usual wastes generated during the footwear manufacturing process.</p>	<p>Scope: This European Standard specifies the process steps which are involved in the generation of the waste from footwear manufacture and the usual waste management practices. It also establishes a European list of the usual wastes generated during the footwear manufacturing process.</p>
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ICS 13.030.01, 61.060

Võtmesõnad:

English version

Footwear manufacturing wastes - Waste classification and management

Déchets de fabrication de chaussures - Classification et gestion des déchets

Abfälle bei der Schuhproduktion - Abfallklassifizierung und -management

This European Standard was approved by CEN on 1 April 2004.

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This European Standard exists 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.

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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 12940:2004) has been prepared by Technical Committee CEN/TC 309 "Footwear", the secretariat of which is held by AENOR.

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 February 2005, and conflicting national standards shall be withdrawn at the latest by February 2005.

This document supersedes ENV 12940:1999.

This document includes a Bibliography.

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

Introduction

Waste disposal is increasingly regulated within the European Union. At the same time, waste management costs are increasing. With regards to waste management, the footwear industry needs:

- guidelines in order to better anticipate future regulations and deal with them effectively,
- a tool in order to estimate the effectiveness of the waste management.

This European Standard incorporates such a tool, designed specifically for the footwear industry.

In order to improve the waste management, the footwear manufacturer should perform the following tasks:

- reduce the quantity of waste,
- reuse the waste,
- recycle the waste,
- incinerate and recover energy from the waste,
- treat the waste.

This document could be used by a company that wishes to implement the EN ISO 14001:1996 management system standard.

1 Scope

This document specifies the process steps which are involved in the generation of the waste from footwear manufacture and the usual waste management practices. It also establishes a European list of the usual wastes generated during the footwear manufacturing process.

It can be applied to one specific product, a specific group of products, one specific production technology within the factory or to the whole production of a company.

NOTE The nature of such wastes produced will depend on manufacturing processes, the type of shoe and the materials used.

The tool used to evaluate the effectiveness of the waste management is:

- established directly from the production process or waste generated,
- calculated for a specific product, a specific group of products or a specific production technology which shall be defined or the whole production of the company.

2 Terms and definitions

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

NOTE Attention is drawn to the fact that the terms *waste* and *waste management* are defined in EU Directive 75/442/EEC modified by the EU Directive 91/156/EEC. The term *packaging waste* is defined in EU Directive 94/62/EEC. The term *landfill* is defined in EU Directive 99/31/EC (See annex A).

2.1

process waste

waste directly linked with the footwear manufacturing process

2.2

maintenance waste

waste generated in the factories from maintenance processes

2.3

waste management practice

technology, specific treatment or way of management applied to the waste (for example reusing, recycling, incineration, etc.)

NOTE These practices are listed in Table 3.

2.4

test period

consecutive period of production about which all the required data are collected

2.5

waste quantity

for one type of waste, quantity of waste generated during a given test period when manufacturing a specified final product or group of final products

2.6

controlled landfill

landfill which emissions to the environment are controlled