

SLOVENSKI STANDARD SIST EN 13250:2001/A1:2005

01-maj-2005

Geotekstilije in geotekstilijam sorodni izdelki - Zahtevane lastnosti za uporabo pri gradnji železnic

Geotextiles and geotextile-related products - Required characteristics for use in the construction of railways

Geotextilien und geotextilverwandte Produkte - Geforderte Eigenschaften für die Anwendung beim EisenbahnbauTANDARD PREVIEW

Géotextiles et produits apparentés - Caractéristiques requises pour l'utilisation dans la construction des voies ferrées

SIST EN 13250:2001/A1:2005

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ICS:

59.080.70 Geotekstilije Geotextiles

93.100 Gradnja železnic Construction of railways

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM EN 13250:2000/A1

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ICS 59.080.70

English version

Geotextiles and geotextile-related products - Required characteristics for use in the construction of railways

Géotextiles et produits apparentés - Caractéristiques requises pour l'utilisation dans la construction des voies ferrées Geotextilien und geotextilverwandte Produkte - Geforderte Eigenschaften für die Anwendung beim Eisenbahnbau

This amendment A1 modifies the European Standard EN 13250:2000; it was approved by CEN on 15 December 2004.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant 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.

This amendment 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

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Foreword

This document (EN 13250:2000/A1:2005) has been prepared by Technical Committee CEN/TC 189 "Geosynthetics", the secretariat of which is held by IBN.

This Amendment to the European Standard EN 13250:2000 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 2005, and conflicting national standards shall be withdrawn at the latest by July 2005.

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.

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1 Modification to Clause 2

Include reference to:

"ISO 10390:1994 - Soil quality - Determination of pH"

2 Modification to Subclause 5.2, Note 1

Replace by:

"This method should not be used for on-site quality control purposes. On-site control procedures are described in CEN/TR 15019."

3 Modification to Subclause 5.4

add at the end of the 4th paragraph:

"The tasks of the manufacturer shall be described in detail including the type of tests to be performed and the frequency of these tests (see also Annex A, Clause A.2)."

4 Modification to Subclause 5.5

replace by:

"Inspection of the factory and of the factory production control shall be made not less than once a year, given constant production conditions, on the provisions contained in Clause 5.4 and Annex A. The inspection shall include an initial inspection of the factory and a continuous surveillance, assessment and approval of the factory production control, where required. The single steps of this inspection are specified in Annex A, Clause A.2."

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5 Modification to Annex A

SIST EN 13250:2001/A1:2005

- Rename Annex A (normative) as: Factory Production Control4f0-b371-4c0e-ac9c-
- Renumber and rename the current and its subclauses)-2001-a1-2005

Annex A becomes A.1 Scheme of factory production control, A.1 becomes A1.1, A.2 becomes A1.2 etc.

- A.1.1.1 and A.1.1.2

Replace "design" by " product design"

- The introductory text shall read as:
- "The items to be addressed in the factory production control manual relating to the system of control, determined from Clause 5.4, are given in Clause A.1. The single steps of factory production control are addressed in the checklist (A.2).
- Replace NOTE by:

NOTE Manufacturers operating a quality system conforming to EN ISO 9001:2000 are presumed to meet requirements of this Annex A.

After A.1.4.6, insert new Clause A.2: text see below

A.2 Checklist for the assessment of a factory production control (FPC) system.

NOTE This checklist has been developed for CE marking, but may also be used for the purpose of voluntary certification systems.

A.2.1 General

A factory production control system can only be applicable to one production site. In case of several production lines at the same site, all of them shall be checked.

The results of audits performed by a quality management system certification body (e.g. for ISO 9001:2000 certification) can be taken into account, although such certificate is not compulsory. The FPC shall cover specified product ranges produced on the same production site. Each product covered by the FPC shall be clearly identified. To add a new product to the covered range, the

producer shall submit the results of the initial type testing of the new product for an extension of the FPC system. This shall be taken into account at the next follow-up inspection. In case of a new production process the manufacturer shall apply for a new inspection visit.

Follow-up inspections shall take place not less than once a year.

All the questions in this checklist shall be checked at the first inspection visit and at each follow-up inspection

A.2.2 Checklist

The items marked with "E" are considered to be of essential importance, i.e. immediate corrective actions are needed if the requirement is not fulfilled.

The assessment can lead to A-, B- or C-type remarks:

- A: an immediate corrective action is needed;
- B: corrective action shall be taken within 3 months;
- C: corrective action shall be taken before the next inspection visit.

If a B-type remark is not corrected in due time, it becomes an "A" and if a C-type remark is not corrected in due time, it becomes a "B".

Question	Relevance	Comment		
1 Design				
1.1 - Has the manufacturer a description how design requirements and criteria are identified, checked, controlled and updated to be unambiguous and relevant to the use of the product and its specification?		To be assessed only if claimed by the manufacturer. Refer to the manufacturer's documentation.		
1.2 - Has the manufacturer a description of the communication of the design to the internal production departments or to external and arsubcontractors? 2 Product identification and traceability	RD PRE ds.iteh.ai	To be assessed only if claimed by the manufacturer. Refer to the manufacturer's documentation.		
	i0:2001/A1:2005	Defends the meanifest week		
2.1 -What are the means used for the unique identification of any individual finished product?	lards/sist/e5974ff0-l	Refer to the manufacturer's documentation.		
2.2 - Is it possible to identify and check date, place and general manufacturing conditions (including raw material used) through the identifications on the final product?	13230-2 E 01-81-20	Refer to the manufacturer's documentation.		
2.3 -Does the marking on the final product comply with EN ISO 10320?	Е			
3 Production process control 3.1 -Are there documents which define the production process parameters which could affect quality?	E	Refer to the manufacturer's documentation.		
3.2 -Are the standards and procedures implemented?	E			
3.3 -Are the specified requirements concerning process validation, including the associated personnel and equipment, documented?	E	Refer to the manufacturer's documentation.		
4 Inspection and testing on receipt of raw materials				
4.1 - Are there specification sheets concerning incoming raw materials?	E	Refer to the manufacturer's documentation.		
4.2 -Are there documents which define what shall be done in case of non-conformance of raw materials?	E	Refer to the manufacturer's documentation.		
4.3 -Are the nature and frequency of the evaluation of incoming raw materials described and followed?	Е	Refer to the manufacturer's documentation.		
5 Inspection and testing during manufact				
5.1 - Are there inspections or tests during the manufacturing process with specific requirement for the results?	E	Refer to the manufacturer's documentation.		

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5.2 - Are there documents concerning inspection or testing during the manufacturing process with	E	Refer to the manufacturer's documentation.
requirement for the results?		
5.3 - Do they define what shall be done in case of non-conformance of the product with the	Е	Refer to the manufacturer's documentation.
requirements?		documentation.
5.4 - Are non-conforming products isolated from	E	Refer to the manufacturer's
conform products when they are detected during	_	documentation.
manufacturing?		accamentation.
5.5 - Is there a procedure for handling non-	Е	Refer to the manufacturer's
conforming products?	_	documentation.
6 Final inspection and testing		accamentation.
6.1 -Are there installations, equipment and	Е	Refer to the manufacturer's
personnel for final inspection and tests?	_	documentation.
		This requirement may be
		fulfilled by concluding a
		subcontracting agreement with
		one or more organisations or
		persons having the necessary
		skills and equipment.
6.2 -Are there standards and methods for final	Е	Refer to the manufacturer's
inspection and testing? Have they been		documentation.
implemented?		
6.3 -What tests are implemented (standard	E	Refer to the manufacturer's
used) and at what frequency?	DD DDE	documentation.
These tests should preferably be called up in the	KD PKL	VIE VV
harmonised standards. The review of further	ds.iteh.ai	
tests for initial type testing shall not be part of	us.item.ai	,
follow-up inspections and refer to the mandated		
tests only. If the tests are not performed to these	0:2001/A1:2005	
European Standards does there exist a proventant		
correlation between the test(s) used for FRC and	-13250-2001-a1-20	05
the corresponding EN?		
— EN 918 - Geotextiles and geotextile-related		
products - Dynamic perforation test (cone		
drop test).		
— EN ISO 10319 - Geotextiles - Wide-width		
tensile test (ISO 10319:1993).		
— EN ISO 11058 - Geotextiles and geotextile-		
related products - Determination of water		
permeability characteristics normal to the		
plane, without load (ISO 11058:1999).		
plane, without load (100 11000.1000).		
— EN 12224 - Geotextiles and geotextile-		
related products - Determination of the		
resistance to weathering.		
— EN 12225 - Geotextiles and geotextile-		
related products - Method for determining the		
microbiological resistance by a soil burial		
test.		
— EN ISO 12236 - Geotextiles and geotextile-		
related products - Static puncture test (CBR-		
Test) (ISO 12236:1996).		
 EN ISO 12956 - Geotextiles and geotextile- 		
related products - Determination of the		
		<u> </u>

characteristic opening size (ISO 12956:1999).		
 EN 13719 - Geotextiles and geotextile- related products - Determination of the long term protection efficiency of geotextiles in contact with geosynthetic barriers and/or EN 14574 - Geosynthetics - Determination of the pyramid puncture resistance of supported geosynthetics. 		
 EN ISO 13438 - Geotextiles and geotextile- related products - Screening test method for determining the resistance to oxidation (ISO 13438:2004). 		
 EN 14030 - Geotextiles and geotextile- related products - Screening test method for determining the resistance to acid and alkaline liquids (ISO/TR 12960:1998, modified). 		
EN 12447 - Geotextiles and geotextile- related products - Screening test method for determining the resistance to hydrolysis in water.	RD PRE	VIEW
6.4 -Are the characteristics tested in accordance	ds.iteh.ai	Refer to the manufacturer's
with the announced "application / function"		documentation.
combination(s) (see the relevant harmonised 1325	0:2001/A1:2005	addamentation.
standard(s))? https://standards.iteh.ai/catalog/stan	012001/1112000	371-4c0e-ac9c-
6.5 - Are there documented specifications d7/sist-en		Refer to the manufacturer's
concerning the results for final inspection and	13230-2 0 01-a1-20	documentation.
testing?		
6.6 – Do the required test results comply with	Е	Refer to the manufacturer's
the characteristics declared in the		documentation.
accompanying document?		
6.7 - Are the requirements on the announced	E	Refer to the manufacturer's
tolerances fulfilled for each product?		documentation.
6.8 -Are there documented procedures which		
	Е	Refer to the manufacturer's
define what shall be done in case of non-	E	
define what shall be done in case of non- conformance of the final product with the	E	Refer to the manufacturer's
define what shall be done in case of non- conformance of the final product with the specified requirements?		Refer to the manufacturer's documentation.
define what shall be done in case of non- conformance of the final product with the specified requirements? 6.9 -Are there appropriated records which	E E	Refer to the manufacturer's documentation. Refer to the manufacturer's
define what shall be done in case of non-conformance of the final product with the specified requirements? 6.9 -Are there appropriated records which complete evidence that a product has been		Refer to the manufacturer's documentation.
define what shall be done in case of non- conformance of the final product with the specified requirements? 6.9 -Are there appropriated records which		Refer to the manufacturer's documentation. Refer to the manufacturer's
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define what shall be done in case of non-conformance of the final product with the specified requirements? 6.9 -Are there appropriated records which complete evidence that a product has been tested and is in conformance with the specified requirements? 6.10 -Is it possible through these records to identify the persons responsible for testing final products and for releasing the products for the market? 7	E E est equipment	Refer to the manufacturer's documentation. Refer to the manufacturer's documentation. Refer to the manufacturer's documentation.
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define what shall be done in case of non-conformance of the final product with the specified requirements? 6.9 -Are there appropriated records which complete evidence that a product has been tested and is in conformance with the specified requirements? 6.10 -Is it possible through these records to identify the persons responsible for testing final products and for releasing the products for the market? 7	E E est equipment E	Refer to the manufacturer's documentation.

to nationally or internationally recognized standards?		inspection, measuring and test equipment and - if existing -
otarida do .		round robin test results.)
8 Control of non-conforming products	l	Touris To
8.1 –Are there documented procedures to	Е	Refer to the manufacturer's
ensure that non-conforming products cannot be		documentation.
inadvertently used or delivered?		
8.2 -In particular, are non-conforming products	Е	Refer to the manufacturer's
identified, documented and segregated from the		documentation.
rest of the production?		
8.3 –Are there documented procedures which	E	Refer to the manufacturer's
define responsibilities for the examination of		documentation.
non-conforming products and who has the		(check organigram)
authority to take decisions concerning them?		,
9 Corrective actions		
9.1 –Are there documented procedures to	E	Refer to the manufacturer's
implement proper corrective actions concerning		documentation.
non-conformity?		
9.2 -In this case are these procedures	Е	Refer to the manufacturer's
implemented and the corrective actions		documentation.
recorded (mainly these concerning consumer's		
complaints)?		
9.3 -Have corrective actions been carried out	E	Refer to the manufacturer's
from the previous audit? With which result?		documentation.
10 Handling, storage and packaging	DD DDE	T/III'XX/
10.1 -Are the methods used to protect the	MD I KE	Refer to the manufacturer's
product during handling, storage and packaging	de itah ai	documentation.
described?	us.itemai	,
10.2 -Are handling, storage and packaging		
methods and means appropriate to prevent final?	50:2001/A1:2005	
products from being damaged or deteriorated?stan	dards/sist/e5974ff0-l	371-4c0e-ac9c-
10.3 -ls the labelling of final products in fedd7/sist-en	-13250-2 <u>₽</u> 01-a1-20	05
conformance with the provisions of the		
harmonised standards?		
11 Control of quality records	1	
11.1 -Are quality records legible and retained for	E	Electronically stored records
at least a 10 years period so as to be easily		shall be protected against
available on request?		changes and deletion. Refer to
		the manufacturer's
		documentation.
12 Personnel	1	
12.1 -Does the manufacturer ensure that the	E	Refer to the manufacturer's
personnel involved in the process are suitably		documentation.
trained?		
12.2 Are the job descriptions and responsibilities	E	Refer to the manufacturer's
of the operators specified in the manual?		documentation.
13 Withdrawal of certificates		
13.1 -Have temporary or final withdrawals been	E	Refer to the manufacturer's
pronounced? If so, what practical measures		documentation.
have been defined and implemented?		