

# DIN EN 13250:2016-12 (E)

## Geotextiles and geotextile-related products - Characteristics required for use in the construction of railways

---

<b>Contents</b>		<b>Page</b>
European foreword .....		4
Introduction .....		5
1	Scope .....	6
2	Normative references .....	6
3	Terms, definitions and abbreviations .....	7
3.1	Terms and definitions .....	7
3.2	Abbreviations .....	8
4	Required characteristics and corresponding methods of test .....	8
4.1	General .....	8
4.2	Selection of the appropriate standard in a specific application .....	8
4.3	Characteristics relevant to specific conditions of use .....	10
4.3.1	Stiffness at 2 %, 5 % and 10 % .....	10
4.3.2	Tensile strength of seams and joints .....	10
4.3.3	Static puncture .....	10
4.3.4	Friction characteristics .....	10
4.3.5	Tensile creep .....	10
4.3.6	Abrasion .....	10
4.3.7	Resistance to damage during installation .....	10
4.3.8	Water permeability normal to the plane .....	10
4.4	Release of dangerous substances .....	10
5	Assessment and verification of constancy of performance (AVCP) .....	11
5.1	General .....	11
5.2	Presentation of characteristics .....	11
5.3	Product type determination (PTD) .....	11
5.4	Factory production control (FPC) .....	12
5.5	Verification of values .....	12
5.6	Initial inspection of factory and of FPC .....	12
5.7	Continuous surveillance of FPC .....	13
6	Marking .....	13
Annex A (normative) Factory production control .....		14
A.1	Factory production control scheme .....	14
A.1.1	General .....	14
A.1.2	Product design .....	14
A.1.3	Production .....	14
A.1.4	Finished products .....	14
A.1.5	Provisions applicable to A.1.2, A.1.3 and A.1.4 (to be used where appropriate) .....	15
A.2	Assessment of a factory production control (FPC) system .....	16
A.2.1	General .....	16
A.2.2	Checklist .....	16
A.2.3	Test frequency .....	20
Annex B (normative) Durability aspects .....		21

<b>B.1</b>	<b>General</b> .....	<b>21</b>
<b>B.1.1</b>	<b>Service life</b> .....	<b>21</b>
<b>B.1.2</b>	<b>Initial and repeat testing of durability</b> .....	<b>21</b>
<b>B.1.3</b>	<b>Use of rework material</b> .....	<b>22</b>
<b>B.2</b>	<b>Weathering (all products)</b> .....	<b>22</b>
<b>B.3</b>	<b>Products used in non-reinforcing applications and with service lives up to 5 years</b> .....	<b>22</b>
<b>B.4</b>	<b>Other applications and service lives up to 25 years, 50 years and 100 years</b> .....	<b>23</b>
<b>B.4.1</b>	<b>General</b> .....	<b>23</b>
<b>B.4.2</b>	<b>Tests for specific materials</b> .....	<b>23</b>
<b>Annex C (informative) Guidelines for the selection of the appropriate standard in a specific application</b> .....		<b>27</b>
<b>Annex D (informative) Significant technical changes to superseded versions of this standard</b> .....		<b>29</b>
<b>Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation</b> .....		<b>30</b>
<b>ZA.1</b>	<b>Scope and relevant characteristics</b> .....	<b>30</b>
<b>ZA.2</b>	<b>Procedure for AVCP of Geotextiles and geotextiles-related products for the use in the construction of railways</b> .....	<b>34</b>
<b>ZA.2.1</b>	<b>Systems of AVCP</b> .....	<b>34</b>
<b>ZA.2.2</b>	<b>Declaration of performance (DoP)</b> .....	<b>38</b>
<b>ZA.3</b>	<b>CE marking and labelling</b> .....	<b>42</b>
<b>Bibliography</b> .....		<b>43</b>