

DIN EN 13251:2015-07 (E)

Geotextiles and geotextile-related products - Characteristics required for use in earthworks, foundations and retaining structures (includes Amendment A1:2015)

Contents		Page
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	11
4.3.1	Stiffness at 2 %, 5 % and 10 %	11
4.3.2	Tensile strength of seams and joints	11
4.3.3	Static puncture	11
4.3.4	Friction characteristics	11
4.3.5	Tensile creep	11
4.3.6	Water permeability normal to the plane	11
4.4	Release of dangerous substances	11
5	Assessment and verification of constancy of performance (AVCP)	12
5.1	General	12
5.2	Presentation of characteristics	12
5.3	Product type determination (PTD)	12
5.4	Factory production control (FPC)	13
5.5	Verification of values	13
5.6	Initial inspection of factory and of FPC	13
5.7	Continuous surveillance of FPC	14
6	Marking	14
Annex A (normative) Factory production control (FPC)		15
A.1	Factory production control scheme	15
A.1.1	General	15
A.1.2	Product design	15
A.1.3	Production	15
A.1.4	Finished products	15
A.1.5	Provisions applicable to A.1.2, A.1.3 and A.1.4 (to be used where appropriate)	16
A.2	Assessment of a factory production control (FPC) system	17
A.2.1	General	17
A.2.2	Checklist	17
A.2.3	Test frequency	20
Annex B (normative) "Durability aspects"		22
B.1	General	22

B.1.1	Service life	22
B.1.2	Initial and repeat testing of durability	22
B.1.3	Use of rework material	23
B.2	Weathering (all products)	23
B.3	Products used in non-reinforcing applications and with service lives up to 5 years	23
B.4	Other applications and service lives up to 25 years, 50 years and 100 years	24
B.4.1	General	24
B.4.2	Tests for specific materials	24
Annex C (informative) Guidelines for the selection of the appropriate standard in a specific application		28
Annex D (informative) Significant technical changes to the superseded standard		30
Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation		31
ZA.1	Scope and relevant characteristics	31
ZA.2	Procedure for AVCP of Geotextiles and geotextiles-related products for the use in the construction of roads and other trafficked areas	34
ZA.2.1	Systems of AVCP	34
ZA.2.2	Declaration of performance (DoP)	37
ZA.3	CE marking and labelling	40
Bibliography		43