DIN EN 13255:2015-07 (E)

Geotextiles and geotextile-related products - Characteristics required for use in the construction of canals (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 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Annex D (informative) Significant technical changes to the superseded standard 30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 canals 35

ZA.2.1 Systems of AVCP 35

ZA.2.2 Declaration of performance (DoP) 38

ZA.3 CE marking and labelling 41

Bibliography 44