

## **Reinforcement - Specifications for textile glass mats (chopped strand and continuous filament mats) - Part 3: Specific requirements**

Reinforcement - Specifications for textile glass mats  
(chopped strand and continuous filament mats) -  
Part 3: Specific requirements

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

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| <p>Käesolev Eesti standard EVS-EN 14118-3:2003 sisaldab Euroopa standardi EN 14118-3:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 15.04.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p> | <p>This Estonian standard EVS-EN 14118-3:2003 consists of the English text of the European standard EN 14118-3:2003.</p> <p>This document is endorsed on 15.04.2003 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><b>Käsitlusala:</b><br/>This European Standard provides the technical specification for chopped strands and continuous filaments mats covered by part 1</p> | <p><b>Scope:</b><br/>This European Standard provides the technical specification for chopped strands and continuous filaments mats covered by part 1</p> |
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**ICS** 59.100.10

**Võtmesõnad:** amplification, classifications, composite materials, filaments, re, reinforcement, reinforcing materials, specification (approval), specifications, testing, textil glass fabrics, textile glass, textile glass fibres, textile glass mats, woven fabrics

ICS 59.100.10

English version

**Reinforcement - Specifications for textile glass mats (chopped strand and continuous filament mats) - Part 3: Specific requirements**

Renfort - Spécifications des mats de verre textile (mats à fils coupés et mats à fils continus) - Partie 3: Exigences spécifiques

Verstärkungsprodukte - Spezifikation für Textilglasmatten (Glasfaser- und Endlosmatten) - Teil 3: Besondere Anforderungen

This European Standard was approved by CEN on 4 December 2002.

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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 Management Centre 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 14118-3:2003) has been prepared by Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by IBN.

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 August 2003, and conflicting national standards shall be withdrawn at the latest by August 2003.

This standard is one part of EN 14118 which is structured as follows:

- *Reinforcement – Specifications for textile glass mats (chopped strand and continuous filament mats) – Part 1 : Designation*
- *Reinforcement – Specifications for textile glass mats (chopped strand and continuous filament mats) – Part 2 : Methods of test and general requirements*
- *Reinforcement – Specifications for textile glass mats (chopped strand and continuous filament mats) – Part 3 : Specific requirements*

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

## 1 Scope

This European Standard provides the technical specification for chopped strands and continuous filaments mats covered by part 1.

## 2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendments or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 14118-2:2003, *Reinforcement – Specifications for textile glass mats (chopped strand and continuous filament mats) – Part 2 : Methods of test and general requirements*

EN ISO 472:2001, *Plastics – Vocabulary (ISO 472:1999)*.

EN ISO 1043, *Plastics - Symbols and abbreviated terms*.

ISO 1887, *Textile glass – Determination of combustible-matter content*.

ISO 3342, *Textile glass – Mats – Determination of tensile breaking force*.

EN ISO 3344, *Reinforcement products – Determination of moisture content (ISO 3344:1997)*

ISO 3374, *Reinforcement products – Mats and fabrics – Determination of mass per unit area*.

ISO 5025:1997, *Reinforcement products – Woven fabrics – Determination of width and length*.

## 3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN ISO 472:2001 and EN 14118-2:2003 apply.

## 4 Typical commercial products

### 4.1 Chopped strand mats (CSM)

| Recommended process or final use    | Recommended matrix compatibility (EN ISO 1043) | Typical mass per unit area (g/m <sup>2</sup> )  | Typical width values (cm) | Typical width range (cm) |
|-------------------------------------|--|---|---------------------------|--------------------------|
| multipurpose                        | UP, EP, UP(V)                                  | 225, 300, 375, 450, 600                         | 92, 125 ; 130             | From 10 to 320           |
| special purpose (high translucency) | UP, EP, UP(V)                                  | 80, 100, 150, 225, 300, 375, 400, 450, 500, 600 | 113, 130                  | From 10 to 320           |
| contact (powder bound)              | UP, EP, UP(V)                                  | 275, 300, 375, 450, 600, 750, 900, 1 200        | 92, 125, 130 ; 153        | From 13 to 320           |
| contact (emulsion bound)            | UP, PF   | 300, 375, 450, 600, 900                         | 91, 92, 95, 125           | From 10 to 250           |
| multipurpose cement                 | cementious                                     | 120   | 60, 90, 120               | From 10 to 180           |