

Rubber or plastic coated fabrics - Safety of temporary structures (tents) - Specification for coated fabrics intended for tents and related structures

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 15619:2008+A1:2010 sisaldab Euroopa standardi EN 15619:2008+A1:2010 ingliskeelset teksti.

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English Version

**Rubber or plastic coated fabrics - Safety of temporary structures
(tents) - Specification for coated fabrics intended for tents and
related structures**

Supports textiles revêtus de caoutchouc ou de plastique -
Sécurité des structures temporaires (tentes) - Spécification
des supports textiles revêtus destinés aux tentes et
structures similaires

Mit Kautschuk oder Kunststoff beschichtete Textilien -
Sicherheit Fliegender Bauten (Zelte) - Spezifikation für
beschichtete Textilien für Zelte und zugehörige Bauten

This European Standard was approved by CEN on 24 August 2008 and includes Amendment 1 approved by CEN on 23 February 2010.

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Foreword

This document (EN 15619:2008+A1:2010) has been prepared by Technical Committee CEN/TC 248 "Textiles and textile products", the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by October 2010, and conflicting national standards shall be withdrawn at the latest by October 2010.

This document supersedes EN 15619:2008.

This document includes Amendment 1, approved by CEN on 2010-02-23.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**.

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Introduction

The purpose of this European Standard is to specify the characteristics, the requirements and the test methods for coated fabrics intended for temporary structure and tents.

Particular care has been taken not to come in conflict with the items that have already been treated in EN 13782. This European Standard has been drawn up according to past experience and risk analysis. The content of this European Standard collects the different existing national regulations and refers to the different European test standards available for coated fabrics.

This European Standard also introduces a system of levels. It is not possible to divide coated fabric for tents into just a few performance levels, because of the enormous variety of conditions of use. This European Standard proposes different level of performance (A, B, C) for each characteristic – or T1, T2, T3, T4 for the fire behaviour. This allows to choose the appropriate level for each characteristic and so to compose a "product profile", adapted to each specific type of use. This means that for small tents exposed to low wind and snow loads but high exposition to sun light, a mechanical resistance level C may be required combined with a colour fastness level A. The level system should absolutely not be interpreted as if a coated fabric for tents needs to be rated "A" for all properties in order to obtain a "class" A.

This European standard specifies requirements which are useful at design, calculation, manufacture, installation, maintenance, operation, examination and testing of coated fabric.

1 Scope

This European Standard specifies the characteristics, requirements and test methods for coated fabric intended for mobile, temporary installed tents (see 3.3) and related structures.

Plastic film and material other than coated fabrics are not covered by this European Standard.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1875-3, *Rubber- or plastics- coated fabrics — Determination of tear strength — Part 3: Trapezoidal method*

EN 12280-1, *Rubber- or plastics- coated fabrics — Accelerated ageing tests — Part 1: Heat ageing*

EN 13782, *Temporary structures — Tents — Safety*

EN 14115, *Textiles — Burning behaviour of materials for marquees, large tents and related products — Ease of ignition*

EN 20105-A02, *Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour (ISO 105-A02:1993)*

EN ISO 846, *Plastics — Evaluation of the action of microorganisms (ISO 846:1997)*

EN ISO 1421, *Rubber- or plastics-coated fabrics — Determination of tensile strength and elongation at break (ISO 1421:1998)*

EN ISO 2231, *Rubber- or plastics-coated fabrics — Standard atmospheres for conditioning and testing (ISO 2231:1989)*

EN ISO 2286-2, *Rubber- or plastics-coated fabrics — Determination of roll characteristics — Part 2: Methods for determination of total mass per unit area, mass per unit area of coating and mass per unit area of substrate (ISO 2286-2:1998)*

EN ISO 2411, *Rubber- or plastics-coated fabrics — Determination of coating adhesion (ISO 2411:2000)*

EN ISO 4892-3, *Plastics — Methods of exposure to laboratory light sources — Part 3: Fluorescent UV lamps (ISO 4892-3:2006)*

EN ISO 11925-2:2002, *Reaction to fire tests — Ignitability of building products subjected to direct impingement of flame — Part 2: Single-flame source test (ISO 11925-2:2002)*

ISO 1420, *Rubber- or plastics-coated fabrics — Determination of resistance to penetration by water*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.