



SLOVENSKI STANDARD

SIST-TP CEN/TR 15118:2005

01-julij-2005

Navodila za preskušanje sprijemnih zapenjal

Testing guidelines for touch and close fasteners

Textilien - Haftverschlüsse - Anforderungen

Lignes directrices pour l'essai des fermetures auto-agrippantes

Ta slovenski standard je istoveten z: CEN/TR 15118:2005

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ICS:

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TECHNICAL REPORT
RAPPORT TECHNIQUE
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CEN/TR 15118

May 2005

ICS 61.040

English version

Testing guidelines for touch and close fasteners

Lignes directrices pour l'essai des fermetures auto-
agrippantes

Textilien - Haftverschlüsse - Anforderungen

This Technical Report was approved by CEN on 7 April 2005. It has been drawn up by the Technical Committee CEN/TC 248.

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Foreword

This document (CEN/TR 15118:2005) has been prepared by Technical Committee CEN/TC 248 "Textiles and textile products", the secretariat of which is held by BSI.

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Introduction

A large and growing variety of touch and close fasteners exist on the market. They differ by the nature of their raw materials, their construction, the type of gripping elements and in their performance, e.g. shear strength, peel, cycling and cleaning.

To ensure that a touch and close fastener of a particular type is suitable for the consumer's end product, the guidelines recommend that different procedures are followed to ensure that the chosen type of attachment is appropriate.

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1 Scope

This Technical Report describes different methods of integration of touch and close fasteners to the final or finished product, such as:

Sewing,
mechanical attachment,
adhesive pressure sensitive,
heat activated,
welded attachment,
moulding in,
straps,
non-continuous application in various widths,

together with the appropriate test method.

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2 General

Table 1 is divided into four sections: [SIST-TP CEN/TR 15118:2005
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A: characteristics of construction

B: characteristics of mechanical resistance and usage

C: characteristics of colour fastness

D: particular behaviour

Each section lists the relevant methods and recommends the appropriate methods for each particular use.

Table 1 — Testing guidelines for touch and close fasteners

| Characteristic | Sewing | Mechanical attachment | Adhesive pressure sensitive | Heat activated | Welded attachment | Moulding in | Straps | Non-continuous products applied in various ways |
|--|--------|-----------------------|-----------------------------|----------------|-------------------|-------------|--------|---|
| <u>A Characteristics of construction</u> | | | | | | | | |
| 1 Identification of materials | YES | YES | YES | YES | YES | YES | YES | YES |
| 2 Dimensions | | | | | | | | |
| 2.1 Overall width: EN 12240 | YES | YES | YES | YES | YES | YES | YES | NO |
| 2.2 Effective width: EN 12240 | YES | YES | YES | YES | YES | YES | YES | NO |
| 3 Type of edges: woven, knitted or slit | YES | YES | NO | YES | NO | NO | YES | NO |
| <u>B Characteristics of mechanical resistance and usage</u> | | | | | | | | |
| 1 Longitudinal shear strength: EN 13780 | | | | | | | | |
| 1.1 Original | YES | YES | YES | YES | YES | YES | YES | NO |
| 1.2 After cycling | YES | YES | YES | YES | YES | YES | YES | NO |
| 2 Peel strength: EN 12242 | | | | | | | | |
| 2.1 Original | YES | YES | YES | YES | YES | YES | YES | NO |
| 2.2 After cycling | YES | YES | YES | YES | YES | YES | YES | NO |

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| 3 Breaking strength and elongation at break: EN 13934-1 | NO | NO | NO | NO | NO | NO | YES | NO |
| 4 Behaviour of male and female tapes to washing and dry cleaning or dry cleaning | | | | | | | | |
| 4.1 Longitudinal shear strength | YES | NO | YES | YES | YES | NO | YES | NO |
| 4.2 Peel strength | YES | NO | YES | YES | YES | NO | YES | NO |
| 4.3 Resistance to fraying | YES | YES | NO | YES | NO | NO | YES | NO |
| 4.4 Resistance of slit selvages after washing and drying: EN 1415 | YES | YES | NO | YES | NO | NO | YES | NO |
| 5 Dimensional stability: EN 12243 | | | | | | | | |
| 5.1 to washing and drying | YES | NO | NO | YES | YES | NO | YES | NO |
| 5.2 to dry cleaning | YES | NO | NO | YES | YES | NO | YES | NO |
| 6 Curvature: EN 1416 | YES | YES | YES | YES | YES | YES | YES | NO |
| <u>C Characteristics of colour fastness</u> | | | | | | | | |
| 1 Colour fastness to light: ISO 105-B02 | YES | YES | YES | YES | YES | YES | YES | NO |
| 2 Colour fastness to washing: EN ISO 105-C06 | YES | NO | NO | YES | YES | NO | YES | NO |
| 3 Colour fastness to dry cleaning: EN ISO 105-D01 | YES | NO | NO | YES | YES | NO | YES | NO |
| <u>D Particular behaviour</u> | | | | | | | | |
| 1 Burning behaviour | Customer requirement or tests, e.g. AECMA, prEN 2310 or FAR 23853B , ISO 3795 etc | | | | | | | |