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English Version

Textiles and textile products - Part 4: Safety of children's
clothing - Security of attachment of components except
buttons and metal mechanically applied press fasteners -
Test method

Textiles et produits textiles - Partie 4 : Sécurité des
vêtements d'enfants - Sécurité d'attache des
composants à l'exception des boutons et des boutons-
pression métalliques appliqués mécaniquement -
Méthode d'essai

Textilien und textile Produkte - Teil 4: Sicherheit von
Kinderbekleidung - Sicherheit der Befestigung von
Komponenten außer Knöpfen und mechanisch
befestigten Druckknöpfen - Prüfverfahren

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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European foreword

This document (CEN/TS 17394-4:2021) 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

The aim of this document is to assess the security of attachment of components except buttons and metal mechanically applied press fasteners.

This document provides a method of test. A document providing performance specification for infants' clothing is under development.

This document has been developed from Annex C of CEN/TR 16792:2014.

The method given in this document involves a washing and drying process and provides an example of a wash to assess the durability of attachment of components. It is not to assess the performance of the garment. For this reason, the test conditions are much more aggressive than the conditions used in normal laundering. The following is an example of suitable a wash test which gives a very aggressive wash action. At the time of drafting this document, an equivalent wash programme for the Wascator washing machine, as specified in EN ISO 6330, is not available.

See Annex B for more details on the background and rationale.

1 Scope

The method described in this document complements

- EN 17394-2:2020, *Textiles and textile products – Part 2: Safety of children's clothing – Security of attachment of buttons – Test method*
- CEN/TS 17394-3:2021, *Textiles and textile products – Part 3: Safety of children's clothing - Security of attachment of metal mechanically applied press fasteners – Test method*

and is applicable to all other components including labels, badges, sequins, rhinestones, rivets, eyelets and non-metal press fasteners, which are too small to be gripped in test equipment jaws or their integrity is disrupted by gripping.

The performance requirements are provided in CEN/TS 17394-1:2021.

The method is an extremely aggressive wash method has been developed to assess if the components remain attached.

It is specifically applicable to clothing, where the detachment of these components might result in accidents to children.

This document does not apply to:

- a) child care articles;
- b) shoes, boots and similar footwear;
- c) toys (see NOTE 2);
- d) other articles sold with clothing.

NOTE 1 The above items are covered by other CEN Technical Committees and as such are out of the scope of this document.

NOTE 2 Disguise costumes including carnival costumes are examples of clothing which are also toys and fall within the scope of the Toy Safety Directive.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 ISO 6330:2012, *Textiles - Domestic washing and drying procedures for textile testing (ISO 6330:2012)*