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Textiles — Tests for colour fastness —

Part X19: Colour fastness to rubbing (Gakushin test method)

Textiles — Essais de solidité des coloris —

Partie X19: Solidité des coloris au frottement (Méthode d'essai Gakushin)

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Foreword

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Textiles — Tests for colour fastness —

Part X19:
Colour fastness to rubbing (Gakushin test method)

1 Scope

This document specifies the test method for determining the resistance of the colour of textiles of all kinds to rubbing off and staining other materials using convex specimen stage (Gakushin test method). Two test methods are specified, one with a dry rubbing cloth and one with a wet rubbing cloth.

This document is applicable to textiles made from all kinds of fibres in the form of yarn or fabric, including textile floor coverings and other pile fabrics, whether dyed or printed.

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.

ISO 105-A01, *Textiles — Tests for colour fastness — Part A01: General principles of testing*

ISO 105-A03, *Textiles — Tests for colour fastness — Part A03: Grey scale for assessing staining*

ISO 105-A04, *Textiles — Tests for colour fastness — Part A04: Method for the instrumental assessment of the degree of staining of adjacent fabrics*

ISO 105-F09, *Textiles — Tests for colour fastness — Part F09: Specification for cotton rubbing cloth*

ISO 139, *Textiles — Standard atmospheres for conditioning and testing*

ISO 3696, *Water for analytical laboratory use — Specification and test methods*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

4 Principles

The test specimen on the convex specimen stage is rubbed by the cotton rubbing cloth fastened to the rubbing finger with a reciprocating motion. After the test is carried out, the cotton rubbing cloth is assessed by comparing with the grey scale for assessing staining or instrumentally.

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