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Resilient floor coverings — Determination of seam strength

Revêtements de sol résilients — Détermination de la résistance de la soudure

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Foreword

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The committee responsible for this document is ISO/TC 219, *Floor coverings*.

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Resilient floor coverings — Determination of seam strength

1 Scope

This International Standard specifies a method for determining the strength of the seams of resilient floor coverings when welded in accordance with the manufacturer's instructions.

2 Terms and definitions

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

2.1
seam strength
maximum tensile force recorded, for a defined width, when a floor covering is tested under a constant rate of extension

2.2
constant-rate-of-extension (CRE) testing machine
tensile testing machine provided with one clamp which is stationary and another clamp which moves with a constant speed throughout the test, the entire testing system being virtually free from deflection

3 Principle

An increasing tensile force is applied until the seam breaks (see Figure 1; the arrows indicate the direction of the applied tensile forces).



Figure 1 — Principle of test

4 Apparatus

A tensile testing machine, which allows a speed of separation of (100 ± 5) mm/min, and a force recording device shall be used.

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