

Resilient floor coverings - Determination of seam strength (ISO 16906:2015)

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NATIONAL FOREWORD

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ICS 97.150

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EUROPEAN STANDARD

EN ISO 16906

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Resilient floor coverings - Determination of seam strength (ISO 16906:2015)

Revêtements de sol résilients - Détermination de la
résistance des soudures (ISO 16906:2015)

Elastische Bodenbeläge - Bestimmung der
Nahtfestigkeit (ISO 16906:2015)

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of ISO 16906:2015 has been prepared by Technical Committee ISO/TC 219 "Floor coverings" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 16906:2024 by Technical Committee CEN/TC 134 "Resilient, textile, laminate and modular mechanical locked floor coverings" the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by April 2025, and conflicting national standards shall be withdrawn at the latest by April 2025.

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This document supersedes EN 684:1995.

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Endorsement notice

The text of ISO 16906:2015 has been approved by CEN as EN ISO 16906:2024 without any modification.

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Foreword

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

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).

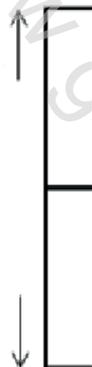


Figure 1 — Principle of test

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.