

---

---

## Resilient, textile and laminate floor coverings — Castor chair test

*Revêtements de sol textiles, résilients ou stratifiés — Essai à l'appareil  
à roulettes*



Reference number  
ISO 4918:2016(E)



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2016, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Ch. de Blandonnet 8 • CP 401  
CH-1214 Vernier, Geneva, Switzerland  
Tel. +41 22 749 01 11  
Fax +41 22 749 09 47  
copyright@iso.org  
www.iso.org

# Contents

Page

|                                                                             |           |
|-----------------------------------------------------------------------------|-----------|
| <b>Foreword</b>                                                             | <b>iv</b> |
| <b>1 Scope</b>                                                              | <b>1</b>  |
| <b>2 Normative references</b>                                               | <b>1</b>  |
| <b>3 Terms and definitions</b>                                              | <b>1</b>  |
| <b>4 Principle</b>                                                          | <b>1</b>  |
| <b>5 Apparatus</b>                                                          | <b>2</b>  |
| <b>6 Materials</b>                                                          | <b>5</b>  |
| <b>7 Sampling</b>                                                           | <b>5</b>  |
| 7.1 Textile floor coverings                                                 | 5         |
| 7.2 Resilient floor covering                                                | 6         |
| 7.3 Laminate floor coverings                                                | 6         |
| <b>8 Conditioning</b>                                                       | <b>7</b>  |
| 8.1 Textile floor coverings                                                 | 7         |
| 8.2 Resilient and laminate floor coverings                                  | 7         |
| <b>9 Procedure</b>                                                          | <b>7</b>  |
| 9.1 Textile floor coverings                                                 | 7         |
| 9.1.1 General                                                               | 7         |
| 9.1.2 Mounting of the specimens                                             | 7         |
| 9.1.3 Verifications of the castors                                          | 7         |
| 9.1.4 Preparing of the apparatus                                            | 8         |
| 9.1.5 Test procedures for textile floor coverings                           | 8         |
| 9.2 Resilient and laminate floor coverings                                  | 9         |
| 9.2.1 General                                                               | 9         |
| 9.2.2 Mounting of the specimen                                              | 9         |
| 9.2.3 Verification of the castors                                           | 10        |
| 9.2.4 Preparing the apparatus                                               | 10        |
| 9.2.5 Test procedure for resilient and laminate floor coverings             | 10        |
| <b>10 Assessment</b>                                                        | <b>10</b> |
| 10.1 Textile floor coverings                                                | 10        |
| 10.1.1 General                                                              | 10        |
| 10.1.2 Test A — Structural integrity assessment                             | 11        |
| 10.1.3 Test A — Appearance retention assessment                             | 11        |
| 10.1.4 Test B — Colour change assessment                                    | 11        |
| 10.1.5 Test C — Structural integrity assessment                             | 11        |
| 10.2 Resilient floor coverings                                              | 11        |
| 10.2.1 Resilient floor covering with click joints for floating installation | 11        |
| 10.3 Laminate floor coverings                                               | 11        |
| <b>11 Calculations and expression of results</b>                            | <b>12</b> |
| 11.1 Textile floor coverings                                                | 12        |
| 11.1.1 Optional results for textile floor coverings                         | 12        |
| 11.2 Resilient floor coverings                                              | 12        |
| 11.3 Laminate floor coverings                                               | 12        |
| <b>12 Test report</b>                                                       | <b>12</b> |