INTERNATIONAL STANDARD

ISO 18167

First edition 2020-06

Textile floor coverings — Installation practices — General

Revêtements de sol textiles — Pratiques d'installation — Généralités



ISO 18167:2020(E)



COPYRIGHT PROTECTED DOCUMENT

© ISO 2020

All rights reserved. Unless otherwise specified, or required in the context of its implementation, 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 CP 401 • Ch. de Blandonnet 8 CH-1214 Vernier, Geneva Phone: +41 22 749 01 11 Fax: +41 22 749 09 47 Email: copyright@iso.org

Website: www.iso.org Published in Switzerland

Contents Page			
Fore	eword		v
Introduction			vi
1	Scope	е	1
2	Norn	native references	1
3	Terms and definitions		
4	Materials		
•	4.1	Textile floor coverings	
	4.2	Underlays	4
		4.2.1 Underlays	
	4.2	4.2.2 Soft underlays	
	4.3 4.4	Adhesives	
5		nstallation requirements	
	5.1	Site inspection and report — Commercial installations	
	0.1	5.1.1 Inspection by contractor	
		5.1.2 Report by contractor	5
	5.2	Installation site — Residential installations	
	5.3	Exchange of information5.3.1 General	
		5.3.2 Commercial installations	
		5.3.3 Residential installations	
	5.4	Conditioning of floor coverings and subfloor	
		5.4.1 General	
		5.4.2 Commercial installations Sesidential Installation Sesidential Installa	
_			
6	Installation methods 6.1 Planning, general layout, and dye batch continuity 6.1.		
	6.2	Pile lay, pattern matching, dye batch continuity, and finishing	9 11
	6.3	Seaming and joining	
		6.3.1 General	11
		6.3.2 Methods of seaming and cross joining	
	6.4	Stretching	
	6.5	Method of installation using the carpet gripper system	
		6.5.2 Carpet gripper	
		6.5.3 Procedure	13
	6.6	Method of installation using the direct-stick system	
		6.6.1 General	
		6.6.2 Ambient temperature 6.6.3 Laying procedure	
	6.7	Method of installation using the double-bond system	
	6.8	Method of installation using the pre-applied underlay adhesive system	
	6.9	Method of installation using the hook and loop system	
	6.10	Installation on stairs	
		6.10.1 General	
		6.10.2 Method of installation using the carpet gripper system	
		6.10.4 Method of installation using the double-bond system	18
		6.10.5 Method of installation using the hook and loop system	18
	6.11	Completion of installation	18
Ann	ex A (no	rmative) Site information to be requested by the contractor from the purchase	er19

ISO 18167:2020(E)

Annex B (informative) Determining the dryness and alkalinity of subfloors	21
Annex C (informative) Principles of stretching textile floor coverings	25
Annex D (informative) Guidelines to trowel selection	31
Annex E (normative) Soft underlays for textile floor coverings	33
Annex F (normative) Method for the determination of compression characteristics	35
Annex G (normative) Method for the determination of resistance to breaking and cracking	39
Bibliography	41

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee 219, Floor coverings.

This first edition of ISO 18167 cancels and replaces ISO/PAS 18167:2014, which has been technically revised.

The main changes compared to the previous edition are as follows:

update of methods and standards referenced in <u>Annex E</u>.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.