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# INTERNATIONAL STANDARD



# 3018

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Rectangular textile floor coverings – Determination of dimensions

*Revêtements de sol textiles rectangulaires – Détermination des dimensions*

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**Descriptors** : textiles, floor coverings, dimensional measurement.

## FOREWORD

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Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 3018 was drawn up by Technical Committee ISO/TC 38, *Textiles*, and circulated to the Member Bodies in December 1972.

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It has been approved by the Member Bodies of the following countries :

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The Member Body of the following country expressed disapproval of the document on technical grounds :

Canada

# Rectangular textile floor coverings – Determination of dimensions

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies a method for determining the dimensions of rectangular textile floor coverings, both hand-made and machine-made, having a length to width ratio of less than 5. The method is not applicable to materials to be laid edge to edge as tiles.

## 2 PRINCIPLE

The total dimensions in the warp direction (or direction of manufacture) and in the weft direction (or direction at right angles to the direction of manufacture), excluding fringes, of the relaxed textile floor covering are measured in at least three places and the average dimensions for each direction calculated. In addition, for pile carpets, the distance between the outer edge of the base of the pile and the nearest outermost edge of the carpet is determined, and the length of fringe, if present, is determined.

## 3 DEFINITIONS

For the purposes of this International Standard the following definitions apply.

**3.1 total length of textile floor covering** : Dimension in the warp direction (or direction of manufacture) between the outermost edges of the textile floor covering including any backing or binding that may be present, but excluding fringes.

**3.2 total width of textile floor covering** : Dimension in the weft direction (or direction at right angles to the direction of manufacture) between the outermost edges of the textile floor covering including any backing or binding that may be present, but excluding fringes.

**3.3 length of pile section** : The distance between the exterior edges of the pile, measured at the base, taken in the warp direction (or direction of manufacture) of pile carpets.

**3.4 width of pile section** : The distance between the exterior edges of the pile, measured at the base, taken in the weft direction (or direction at right angles to the direction of manufacture) of pile carpets.

## 4 APPARATUS

Rule or instrument capable of measuring over the length of the textile floor covering accurately to the nearest 0,5 cm.

## 5 PROCEDURE

### 5.1 Pre-treatment

Spread the textile floor covering on a smooth, flat horizontal surface so that no crinkles are present and allow it to relax for not less than 48 h.

### 5.2 Measurements

**5.2.1** Make each measurement of length and width ( $A_L$  and  $A_W$ ) between the outermost edges of the textile floor covering including any backing or binding that may be present, but excluding fringes (see the figure). This is the "total length" and "total width".

**5.2.2** For pile carpets also measure in the length and width directions the distance  $B_L$  and  $B_W$  between the outer edge of the base of the pile and the nearest outermost edge of the carpet, excluding fringes (see figure). The "length of pile section" and "width of pile section" can then be calculated.

**5.2.3** If fringes are present measure these in the length and width directions ( $C_L$  and  $C_W$ ) from the outermost edge of the textile floor covering to the nearest edge of the extended fringe (see figure).

**5.2.4** Make all measurements to the nearest 0,5 cm. If measurement  $B$  is less than 0,5 cm record the result as zero.

### 5.3 Number of measurements

Make at least three measurements of  $A$ ,  $B$  and  $C$  where appropriate at each side of the textile floor covering and in each of the length and width directions, in such a way that two measurements are made at approximately 10 cm within each edge of the textile floor covering and one made approximately in the middle.

6 CALCULATION AND EXPRESSION OF RESULTS

6.1 Calculate the average total length ( $A_L$ ) and width ( $A_W$ ) and express them to the nearest 0,5 cm for distances up to 100 cm and to the nearest 1 cm for larger distances.

6.2 For pile carpets calculate the average distance in the length ( $B_L$ ) and width ( $B_W$ ) directions separately, and calculate the average length and width of pile section,  $A_L - 2B_L$  and  $A_W - 2B_W$  respectively.

6.3 Calculate the average length of fringe, if present, in the length and width directions.

7 TEST REPORT

The test report shall include the following information :

- a) that the test procedure was conducted in accordance with this International Standard;
- b) the average total length and total width calculated as described in 6.1;
- c) for pile carpets, the average length and width of pile section calculated as described in 6.2;
- d) the average length of fringe, if present, in the length and width directions of the textile floor covering.

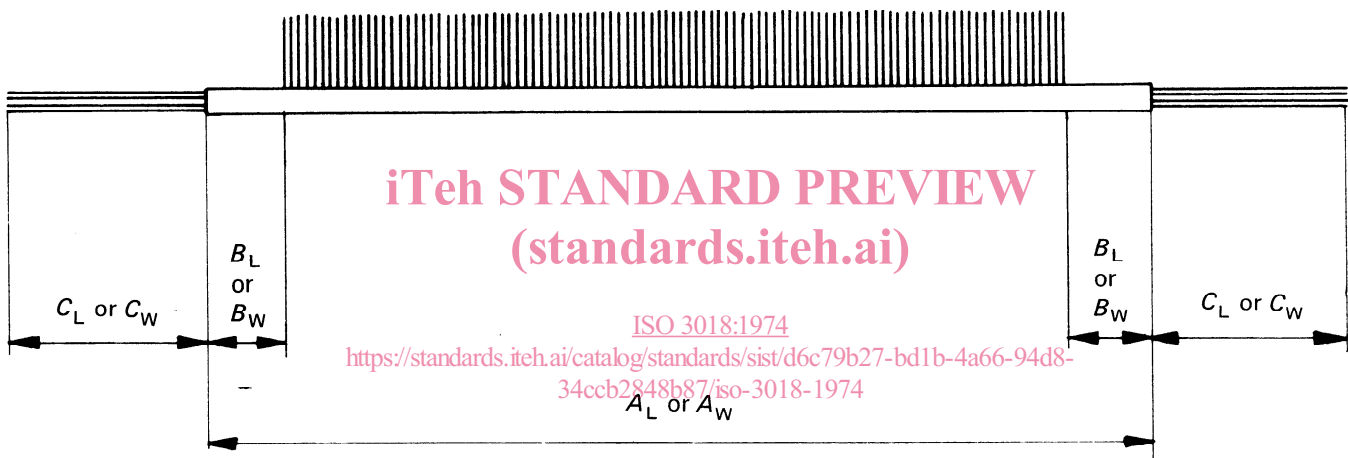


FIGURE – Cross-section of textile floor covering