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# INTERNATIONAL STANDARD



# 5025

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

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## Textile glass — Woven fabric — Determination of width and length

*Verre textile — Tissus — Détermination de la largeur et de la longueur*

First edition — 1978-04-01

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UDC 677.521.017.22 : 666.189.2

Ref. No. ISO 5025-1978 (E)

**Descriptors** : textiles, textile glass, glass cloth, tests, dimensional measurement.

## FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

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 5025 was developed by Technical Committee ISO/TC 61, *Plastics*, and was circulated to the member bodies in November 1975.

It has been approved by the member bodies of the following countries:

Australia	Hungary	Poland
Austria	India	Romania
Belgium	Iran	Sweden
Brazil	Israel	Switzerland
Canada	Italy	Turkey
Finland	Japan	United Kingdom
France	Mexico	U.S.A.
Germany	New Zealand	U.S.S.R.

No member body expressed disapproval of the document.

# Textile glass – Woven fabric – Determination of width and length

## 1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies a method for determining the width and length of a woven glass fabric in the form of a roll.<sup>1)</sup>

## 2 PRINCIPLE

Determination of the width, in millimetres, by using a calibrated rule, and determination of the length, in decimetres, by using a measuring drum connected to a dial or a counter.

## 3 DEFINITION

For the purpose of this International Standard, the following definition applies :

**width** : The distance measured perpendicularly to the warp yarns between the outside edges of the outermost warp yarns.

NOTE – The overall width, i.e. including the fringes, may also be determined by agreement between supplier and purchaser.

## 4 APPARATUS

**4.1 Measuring device** (for example ruler), with a length greater than the width of the glass fabric, graduated in millimetres.

**4.2 Measuring drum**, capable of keeping the fabric running flat and true without slippage. The drum shall be equipped with a dial graduated in steps of 50 mm. The precision of the measuring instrument shall be at least 1 %.

## 5 TEST SPECIMEN

For the purpose of the test, one roll of the glass fabric shall be taken as the test specimen.

## 6 PROCEDURE

Conditioning of the fabric is not necessary.

## 6.1 Width

The test specimen shall be laid flat without tension or creases.

On the test specimen make at least five measurements equally distributed throughout the length of the roll.

The measurements shall be made by means of the measuring device (4.1), to the nearest 1 mm.

## 6.2 Length

Run the glass fabric over the measuring drum (4.2). The length shall be read from the dial or counter on the drum to the nearest 0,1 m.

## 7 EXPRESSION OF RESULTS

### 7.1 Width

The average width of the glass fabric is the arithmetic mean of the readings obtained.

It shall be expressed in centimetres to the nearest 0,1 cm.

### 7.2 Length

The length of the glass fabric is the actual reading obtained.

It shall be expressed in metres to the nearest 0,1 m.

## 8 REPORT

The report shall include the following particulars :

- a) reference to this International Standard;
- b) complete reference to the glass fabric;
- c) value of length;
- d) average value and the individual values of width;
- e) details of procedure not provided for in this International Standard and any circumstances liable to have influenced the results.

<sup>1)</sup> Attention is drawn to the following International Standards on textiles : ISO 3932, *Textiles – Woven fabrics – Measurement of width of pieces*; ISO 3933, *Textiles – Woven fabrics – Measurement of length of pieces*.