INTERNATIONAL STANDARD

ISO 7976-2

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Tolerances for building — Methods of measurement of buildings and building products —

Part 2 : Position of measuring points

Tolérances pour le bâtiment — Méthodes de mesure des bâtiments et des produits pour le bâtiment —

Partie 2 : Positions des points de mesure

Reference number
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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.

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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 7976-2 was prepared by Technical Committee ISO/TC 59, *Building construction.*

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

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Tolerances for building — Methods of measurement of buildings and building products —

Part 2 : Position of measuring points

1 Scope and field of application

This part of ISO 7976 gives guidance on the position of measuring points to be used in the measurements of buildings and building products. The positions given apply for check and compliance measurement, and when collecting accuracy data.

It is divided into two sections. Section one deals with the position of measuring points for those measurements which can be carried out both in factories and on building sites, and section two with the position of measuring points for the measurements which can be carried out on building sites only.

Building products consisting of glass wool and similar soft materials are not the subject of this International Standard.

To facilitate cross-referencing, the same numbering is used in both parts of this International Standard.

2 References

ISO 4463, *Measurement methods for building — Setting out and measurement — Permissible measuring deviations.*

ISO 7976-1, *Tolerances for building — Methods of measurement of buildings and building products — Part 1 : Methods and instruments.*

3 General

Suitable positions for measuring points are given for both compliance measurement and the collection of accuracy data; measurements should be carried out from, towards, or between these points.

The points at which measurements are taken should be those specified in the inspection schedule or similar document. If not, they shall be taken at 100 mm from corners or edges (see figure 1) : the examples below illustrate some general cases. If this is not possible, the position of the measuring points should be noted in the field book.

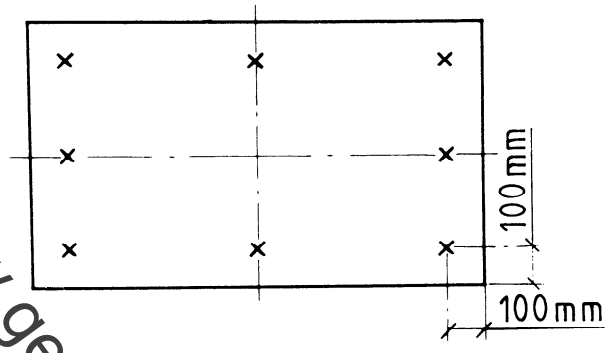

Figure 1

The number of measuring points shown in the clauses below is considered to be the minimum number required; additional measurements may therefore be taken to reflect any additional dimensional accuracy requirements.

The items to be measured should be supported as they will be supported in use. When this is impractical, the support conditions should be as agreed in the inspection schedule or similar document.

Whenever possible it is recommended that components be measured in the state in which they are ready for delivery.

Unless specifically required, the measurements should not be made whilst the manufactured component is still in the manufacturing jig or mould.

On sites, construction deviations (dealt with in section two) can be determined in relation to the co-ordinate system of the site, in relation to a reference system in plan or height in the assembly, in relation to the vertical line or in relation to other components.