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Second edition  
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## **Paints and varnishes — Bend test (conical mandrel)**

*Peintures et vernis — Essai de pliage (mandrin conique)*



Reference number  
ISO 6860:2006(E)

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 6860 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

This second edition cancels and replaces the first edition (ISO 6860:1984), which has been technically revised. The main changes are:

- an indication of the rolling direction of aluminium panels has been added to Subclause 5.1;
- the diameter of the small end of the cone has been changed to  $(3,1 \pm 0,1)$  mm so that the apparatus standardized in ASTM fits into the International Standard;
- the text has been editorially revised.

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## Introduction

This International Standard is one of five documents (see also ISO 1519, ISO 1520, ISO 6272-1 and ISO 6272-2) which specify empirical test procedures for assessing the resistance of coatings of paints, varnishes and related products to cracking and/or detachment from the substrate under different conditions of deformation.