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Paints and varnishes — Determination of resistance to humidity —

Part 2: Procedure for exposing test specimens in condensation-water atmospheres

Peinture et vernis — Détermination de la résistance à l'humidité —

*Partie 2: Méthode d'exposition d'éprouvettes à des atmosphères d'eau
de condensation*



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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.

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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 6270-2 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

ISO 6270 consists of the following parts, under the general title *Paints and varnishes — Determination of resistance to humidity*:

- *Part 1: Continuous condensation*
- *Part 2: Procedure for exposing test specimens in condensation-water atmospheres*

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Introduction

ISO 6270 is intended to give consistent conditions and procedures for the conditioning of pre-prepared test specimens which are to be evaluated for defects which may develop when they are subjected to humid ambient atmospheres such as constant condensation-water atmospheres or alternating condensation-water atmospheres.

The tests are designed to clarify the behaviour of the test specimens in humid ambient atmospheres, and to pinpoint any defects in the protection of the test specimens against corrosion. The testing of coatings in these atmospheres does not necessarily give lifetime prediction data.

After conditioning, the test specimens are evaluated either in accordance with agreed International Standards, such as the appropriate part(s) of ISO 4628, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance*, or by procedures agreed between the interested parties.