
Coating powders —

Part 8:

Assessment of the storage stability of thermosetting powders

Poudres pour revêtement —

*Partie 8: Estimation de la stabilité au stockage des poudres
thermodurcissables*

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Contents

	Page
Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Principle.....	1
5 Apparatus.....	2
6 Test panels.....	2
7 Sampling.....	2
8 Procedure.....	2
8.1 Preliminary examination.....	2
8.1.1 Determination of initial chemical reactivity of the powder.....	2
8.1.2 Determination of initial properties of the coating.....	3
8.2 Artificial-storage treatment.....	3
8.3 Final examination.....	3
8.3.1 General.....	3
8.3.2 Change in appearance of the powder.....	3
8.3.3 Determination of chemical reactivity of the powder.....	3
8.3.4 Determination of properties of the coating prepared from the coating powder after storage.....	4
9 Expression of results.....	4
10 Precision.....	4
11 Test report.....	4

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 139, *Paints and varnishes*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 8130-8:1994), which has been technically revised. The main changes compared to the previous edition are as follows:

- [Clause 3](#) on terms and definitions has been added;
- pretreated aluminium panels have been added in [Clause 6](#) as another option for test panels;
- Table 1 describing four different ratings for the extent of compaction of agglomeration of the coating powder has been deleted;
- the required supplementary information (former Clause 4 and Annex A) has been incorporated in the test report;
- the text has been editorially revised and the normative references have been updated.

A list of all parts in the ISO 8130 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

Coating powders are subject to two distinct ageing mechanisms, one involving the physical state of the powder and the other its chemical reactivity. Changes in the coating powder may lead to deterioration in the physical and chemical properties of the final coating.

This document describes the procedures to be adopted in assessing the tendency of a thermosetting coating powder to maintain its physical and chemical integrity after being subjected to defined storage conditions.

A correlation between changes in different properties is not to be expected. Similarly, there may be no correlation between the results obtained under different storage conditions.

The results of the procedures in this document give an indication of the ability of the coating powder to withstand the effects of storage prior to application.

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