
**Paints and varnishes — Evaluation of
properties of coating systems related
to the spray application process —**

**Part 3:
Assessment of sagging, formation of
bubbles, pinholing and hiding power**

*Peintures et vernis — Évaluation des propriétés des systèmes de
revêtement liées au mode d'application par pulvérisation —*

*Partie 3: Évaluation du festonnage, de la formation de bulles, des
piqûres et du pouvoir masquant*

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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Foreword

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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).

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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 28199-3:2009), which has been technically revised.

The main changes compared to the previous edition are as follows:

- the terms bubble formation limit and cratering have been moved from ISO 28199-1 to this document;
- assessment using measuring techniques was added for all evaluations;
- process hiding power (see [Clause 7](#)) was changed to hiding power;
- 3-D photographs and the associated profiles have been included for bubbles and pinholes;
- the normative references have been updated;
- the document has been editorially revised.

A list of all parts in the ISO 28199 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.