



ISO 9211-3

Optics and photonics — Optical coatings —

**Part 3:
Environmental durability**

*Optique et photonique — Traitements optiques —
Partie 3: Durabilité environnementale*

**Third edition
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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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This document was prepared by Technical Committee *[or Project Committee]* ISO/TC 172, *Optics and photonics*, Subcommittee SC 3, *Optical materials and components*.

This third edition cancels and replaces the second edition (ISO 9211-3:2008), which has been technically revised.

The main changes are as follows:

- Included ISO 9211-2 in bibliography.
- Add new section that explains the test code notation to use when specifying a coating environmental durability test.
- Remove previous [Annex A](#) and move test sequence tables for standard categories into relevant sections.
- Update notation for standard test sequence tables to include conditioning method and degree of severity test code notation.
- Clarify that category O is for non-standard test sequences that are also similar to other standard categories of use.
- Add new section for a general use case when specifying coating environmental durability tests and the sequence they follow. This is used for test sequences that are not similar to any of the standard categories of use.
- Add statement that if specifying a temperature requirement for a coating, this notation is described in ISO 9211-2.
- Add new [Annex A](#) that includes the previously shown [Table 1](#).
- Update previous [Table 1](#) to include conditioning method and degrees of severity test code notation.
- Add new relevant degrees of severity from ISO 9022-2/Amd.1 and ISO 9022-4/Amd.1.

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- Clarify descriptions in previous [Table 1](#) to match what is listed in the conditioning method table for each test.
- Separate solvent solubility line in previous Tables A.2, A.3 and A.4 to two lines, separating acetone and ethanol.
- Add new [Annex B](#) explaining how to use category O.

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