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**Preparation of steel substrates before  
application of paints and related  
products — Tests for the assessment  
of surface cleanliness —**

**Part 2:  
Laboratory determination of chloride  
on cleaned surfaces**

*Préparation des subjectiles d'acier avant application de peintures  
et de produits assimilés — Essais pour apprécier la propreté d'une  
surface —*

*Partie 2: Recherche en laboratoire des chlorures sur les surfaces  
nettoyées*





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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](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 12, *Preparation of steel substrates before application of paints and related products*.

This third edition cancels and replaces the second edition (ISO 8502-2:2005), which has been technically revised with the following changes:

- a) the analysis method has been deleted;
- b) a selection of analysis methods from other standards have been added;
- c) the coulometric method has been added and briefly described in an informative annex;
- d) the formula in [Clause 7](#) has been replaced by [Formula \(1\)](#) transforming chloride concentration in a solution to amount of chloride on the surface;
- e) the document has been editorially revised.

ISO 8502 consists of the following parts, under the general title *Preparation of steel substrates before application of paints and related products — Tests for the assessment of surface cleanliness*:

- *Part 2: Laboratory determination of chloride on cleaned surfaces*
- *Part 3: Assessment of dust on steel surfaces prepared for painting (pressure-sensitive tape method)*
- *Part 4: Guidance on the estimation of the probability of condensation prior to paint application*
- *Part 5: Measurement of chloride on steel surfaces prepared for painting (ion detection tube method)*
- *Part 6: Extraction of soluble contaminants for analysis — The Bresle method*
- *Part 9: Field method for the conductometric determination of water-soluble salts*
- *Part 11: Field method for the turbidimetric determination of water-soluble sulfate*
- *Part 12: Field method for the titrimetric determination of water-soluble ferrous ions*