
**Preparation of steel substrates before
application of paints and related
products — Test methods for non-
metallic blast-cleaning abrasives —**

Part 8:

**Field determination of water-soluble
chlorides**

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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).

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).

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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 12, *Preparation of steel substrates before application of paints and related products*.

A list of all parts in the ISO 11127 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

The use of non-metallic abrasive blast media is common practice for dry and wet surface cleaning and blasting for substrate preparation prior to coating application. The non-metallic abrasive media are taken from their natural environment which may contain various soluble salt contaminants including chloride salts. High chloride salt concentrations in the abrasive blast media may provide for transfer of the chloride ions to the substrate during the blasting process which would then cause premature failure of the applied coating.

To limit the risk of contaminating the steel surface from contaminants in the abrasive media, the chloride levels are quantified with ion specific testing methods that are referenced in this document. This document provides guidance on analysing specifically for the chloride ion in the presence of other less / non-corrosive salts such as nitrates and carbonates.

This document is a part of the ISO 11127 series that deals with the sampling and testing of non-metallic abrasives for blast-cleaning.

The types of non-metallic abrasive and requirements on each are contained in ISO 11126.

The ISO 11126 and ISO 11127 series have been drafted as a coherent set of documents on non-metallic blast-cleaning abrasives. Information on all parts of both series is given in [Annex A](#).

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