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**SVENSK STANDARD
SS-EN ISO 17652-4:2004**

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Utgåva 1

**Svetsning och besläktade förfaranden –
Provning av grundfärger –
Del 4: Emission av rök och gaser
(ISO 17652-4:2003)**

**Welding – Test for shop primers in relation
to welding and allied processes –
Part 4: Emission of fumes and gases
(ISO 17652-4:2003)**

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The European Standard EN ISO 17652-4:2003 has the status of a Swedish Standard. This document contains the official English version of EN ISO 17652-4:2003.

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English version

Welding - Test for shop primers in relation to welding and allied processes - Part 4: Emission of fumes and gases (ISO 17652-4:2003)

Soudage - Essai sur peintures primaires en relation avec le soudage et les techniques connexes - Partie 4: Emission des fumées et des gaz (ISO 17652-4:2003)

Schweißen - Prüfung von Fertigungsbeschichtungen für das Schweißen und für verwandte Prozesse - Teil 4: Emission von Rauchen und Gasen (ISO 17652-4:2003)

This European Standard was approved by CEN on 2 January 2003.

CEN members are bound to comply with the CEN/GENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



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EN ISO 17652-4:2003 (E)

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Foreword

This document (EN ISO 17652-4:2003) has been prepared by Technical Committee CEN/TC 121 "Welding", the secretariat of which is held by DS, in collaboration with Technical Committee ISO/TC 44 "Welding and allied processes".

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2003, and conflicting national standards shall be withdrawn at the latest by November 2003.

EN ISO 17652 consists of the following parts, under the general title: *Welding – Test for shop primers in relation to welding and allied processes*:

- *Part 1: General requirements*
- *Part 2: Welding properties of shop primers*
- *Part 3: Thermal cutting*
- *Part 4: Emission of fumes and gases*

Annex ZA is informative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

EN ISO 17652-4:2003 (E)

Introduction

Welding and allied processes produce particulate fume and gaseous by-products which may be harmful to human health and the environment. Application of a shop primer is likely to alter the composition and rate of the emission.

A knowledge of the quantity of particulate fume and gases generated and the composition of the particulate fume may be useful for occupational hygienists in accessing workplace atmospheres. Emission rates cannot be directly related to fume concentrations existing in a welder's breathing zone, but shop primers with low emission rates are supposed to produce less fume concentration compared with high emission rates for the same welding condition.