

SVENSK STANDARD

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Hälsa och säkerhet vid svetsning och besläktade metoder – Genomsynliga svetsdraperier, remsor och skärmar för bågsvetsmetoder

Health and safety in welding and allied processes – Transparent welding curtains, strips and screens for arc welding processes

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Denna standard ersätter SS-EN 1598, utgåva 1 och SS-EN 1598/A1, utgåva 1.

The European Standard EN 1598:2011 has the status of a Swedish Standard. This document contains the official version of EN 1598:2011.

This standard supersedes the Swedish Standard SS-EN 1598, edition 1 and SS-EN 1598/A1, edition 1.

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Denna standard är framtagen av kommittén för Miljö, hälsa och säkerhet, SIS/TK 134/AGS 449.

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EUROPEAN STANDARD

EN 1598

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2011

ICS 13.340.99

Supersedes EN 1598:1997

English Version

Health and safety in welding and allied processes - Transparent welding curtains, strips and screens for arc welding processes

Hygiène et sécurité en soudage et techniques connexes - Rideaux, lanières et écrans transparents pour les procédés de soudage à l'arc

Arbeits- und Gesundheitsschutz beim Schweißen und bei verwandten Verfahren - Durchsichtige Schweißvorhänge, -streifen und -abschirmungen für Lichtbogenschweißprozesse

This European Standard was approved by CEN on 20 August 2011.

CEN members are bound to comply with the CEN/CENELEC 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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN 1598:2011) has been prepared by Technical Committee CEN/TC 121 "Welding", the secretariat of which is held by DIN.

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 March 2012, and conflicting national standards shall be withdrawn at the latest by March 2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1598:1997.

The significant changes from EN 1598:1997 as impacted by EN 1598:1997/A1:2001 are as follows:

- a) the time of ignition resistance was enlarged;
- b) a test for eyelet strength was added.

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

1 Scope

This European Standard specifies safety requirements for transparent welding curtains, strips and screens to be used for shielding of work places from their surroundings where arc welding processes are used. They are designed to protect people who are not involved in the welding process from hazardous radiant emissions from welding arcs and spatter.

Welding curtains, strips and screens specified in this standard are not intended to replace welding filters. For intentional viewing of welding arcs other means of protection shall be used.

The present standard is not applicable for welding processes where laser radiation is used.

NOTE Darker welding curtains or screens should be used for mutual separation of adjacent work places for reasons of comfort.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 165:2005, *Personal eye-protection — Vocabulary*

EN 167, *Personal eye-protection — Optical test methods*

EN 168, *Personal eye-protection — Non-optical test methods*

EN ISO 11664-2, *Colorimetry — Part 2: CIE standard illuminants (ISO 11664-2:2007)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 165:2005 and the following apply.

3.1 transparent
welding curtains, strips and screens that admit visibility to the working place without implying to be glass clear

4 Requirements

4.1 General

For transparent welding curtains, strips and screens consisting of different materials all requirements for the whole material combination shall be met.

For optical test methods see EN 167.

After preparation, the test specimens shall be maintained at a temperature of (23 ± 5) °C and relative humidity of (65 ± 10) % for a minimum of 16 h before testing.