

# New and revised codes & standards

From BSI Updates April 2020

## BS EN PUBLICATIONS

### BS EN ISO 439:2020

Steel and cast iron. Determination of silicon content. Gravimetric method  
*supersedes BS EN ISO 439:2010*

### BS EN ISO 8044:2020

Corrosion of metals and alloys. Vocabulary  
*supersedes BS EN ISO 8044:2015*

### BS EN ISO 10113:2020

Metallic materials. Sheet and strip. Determination of plastic strain ratio  
*supersedes BS EN ISO 10113:2014*

### BS EN ISO 23386:2020

Building information modelling and other digital processes used in construction. Methodology to describe, author and maintain properties in interconnected data dictionaries  
*No current standard is superseded*

## BS IMPLEMENTATIONS

### BS ISO 4986:2020

Steel and iron castings. Magnetic particle testing  
*supersedes BS ISO 4986:2010*

### BS ISO 4987:2020

Steel castings. Liquid penetrant testing  
*supersedes BS ISO 4987:2010*

### BS ISO 11845:2020

Corrosion of metals and alloys. General principles for corrosion testing  
*no current standard is superseded*

## CORRIGENDA TO BRITISH STANDARDS

### BS 8004:2015+A1:2020

Code of practice for foundations  
*Amendment, March 2020*

### BS EN ISO 14713-2:2020

Zinc coatings. Guidelines and recommendations for the protection against corrosion of iron and steel in structures. Hot dip galvanizing  
*Corrigendum, March 2020*

## BRITISH STANDARDS REVIEWED AND CONFIRMED

### BS EN ISO 17632:2015

Welding consumables. Tubular cored electrodes for gas shielded and non-gas shielded metal arc welding of non-alloy and fine grain steels. Classification

### BS EN ISO 25980:2014

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

## DRAFT BRITISH STANDARDS FOR PUBLIC COMMENT – ADOPTIONS

### 20/30381897 DC

BS ISO 630-4 Structural steels. Technical delivery conditions for high-yield-strength quenched and tempered structural steel plates  
*Comments for the above document were required by 19 April, 2020*

### 20/30391695 DC

BS ISO 10845-2 Construction procurement. Formatting and compilation of procurement documentation  
*Comments for the above document were required by 4 April, 2020*

### 20/30391698 DC

BS ISO 10845-1 Construction procurement. Processes, methods and procedures  
*Comments for the above document were required by 4 April, 2020*

### 20/30397780 DC

BS ISO 630-1 Structural steels. General technical delivery conditions for hot-rolled products  
*Comments for the above document were required by 18 April, 2020*

### 20/30399843 DC

BS ISO 630-3 Structural steels. Technical delivery conditions for fine-grain structural steels  
*Comments for the above document were required by 19 April, 2020*

## ISO PUBLICATIONS

### ISO 21904-1:2020

Health and safety in welding and allied processes. Equipment for capture and separation of welding fume. General requirements  
*Will be implemented as an identical British Standard*

### ISO 21904-2:2020

Health and safety in welding and allied processes. Equipment for capture and separation of welding fume. Requirements for testing and marking of separation efficiency  
*Will be implemented as an identical British Standard*

### ISO 21904-4:2020

Health and safety in welding and allied processes. Equipment for capture and separation of welding fume. Determination of the minimum air volume flow rate of capture devices  
*Will be implemented as an identical British Standard*

# AD 440: Fire design of external steelwork

SCI publication *P375 Fire resistance design of steel framed buildings* gives guidance on (amongst other things) the design of external steelwork when heated by a fire in a building fire compartment. This AD note clarifies which part of the publication should be used for this purpose.

It has been brought to SCI's attention that some users of *P375* are misinterpreting which section of the document is relevant to the design of external steelwork. *Section 3.4.2 Compartment fires – external members* refers to Annex B of BS EN 1991-1-2<sup>1</sup> for the model describing the compartment fire conditions

and the flames emanating from openings. The expressions in Section 3.4.2 are used in the calculation of the relevant radiative and convective heat fluxes. Design of external steelwork using these heat fluxes should be based on Annex B of BS EN 1993-1-2<sup>2</sup> as described in para. 4.2.5.4. of the same standard.

*Section 3.3.2 External fire curve* gives the nominal temperature-time curve intended for the outside of separating external walls as defined in para. 1.5.3.5 of BS EN 1991-1-2 and presented in para. 3.2.2 of the same standard. It is not intended for use in the design of external steel members.

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1. BS EN 1991-1-2:2002 *Eurocode 1: Actions on structures Part 1-2: General actions – Actions on structures exposed to fire*
2. BS EN 1993-1-2:2005 *Eurocode 3: Design of steel structures – Part 1-2: General rules – Structural fire design*