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No current standard is superseded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. Liquid penetrant testing
supersedes BS ISO 4986:2010

BS ISO 4987:2020
Steel castings. Liquid penetrant testing
supersedes BS ISO 4987:2010

BS ISO 11845-1:2020
Corrosion of metals and alloys. General principles for corrosion testing
no current standard is superseded

BS ISO 11845-2:2020
Corrosion of metals and alloys. General principles for corrosion testing
supersedes BS EN ISO 11845-2:2010

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

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 1 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 connective heat fluxes. Design of external steelwork using these heat fluxes should be based on Annex B of BS EN 1991-1-2 1 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.

Contact: Richard Henderson
Tel: 01344 636555
Email: advisory@steel-sci.com