

Standards and Regulations relevant to Glass and Glazing

The following standards and regulations are relevant to glass and glazing:

General

BS EN 572	Glass in building. Basic soda lime silicate glass products
Part 1:2004	Definitions and general physical and mechanical properties
Part 2:2004	Float glass
Part 3:2004	Polished wire glass
Part 4:2004	Drawn sheet glass
Part 5:2004	Patterned glass
Part 6:2004	Wired patterned glass
Part 7:2004	Wired or unwired channel shaped glass
Part 8:2004	Supplied and final cut sizes
Part 9:2004	Evaluation of conformity / Product standard
BS 952	Glass for glazing
Part 1:1995	Classification
Part 2:1980	Terminology for work on glass
BS EN 1036	Glass in building.
Part 1:2007	Mirrors from silver-coated float glass for internal use. Definitions, requirements and test Methods
Part 2:2008	Glass in building. Mirrors from silvercoated float glass for internal use. Evaluation of conformity; product standard

Fire Resistance

BS 476	Fire tests on building materials and structures (These are test and performance specifications and are not specific to glass) Various parts of the Building Regulations affect design in terms of conservation of fuel and power, fire safety and means of escape
BS EN 13501	Fire classification of construction products and Building Elements
BS EN 1363	Fire resistance tests
Part 1:1999	Fire resistance tests. General requirements
Part 2:1999	Fire resistance tests. Alternative and additional procedures
BS EN 14600:2005	Doorsets and openable windows with fire resisting and /or smoke control characteristics, requirements and classification
BS 5588	Fire precautions in the design, construction and use of Buildings
BS EN 357:2004	Glass in building - Fire resistant glazed elements with transparent or translucent glass products Classification of fire resistance

Noise Control

BS EN ISO 140	Acoustics Measurement of sound insulation in buildings and of building elements.
BS EN 12758:2011	Glass in building. Glazing and airborne sound insulation. Product descriptions and determination of properties
BS EN ISO 717	Acoustics
Part 1:1997.	Rating of sound insulation in buildings and of building elements. Airborne sound insulation
Part 2:1997.	Rating of sound insulation in buildings and of building elements. Impact sound insulation
BS 5821, ISO 717	Part 3:1982 Methods for rating the sound insulation in buildings and of building elements. Method for rating the airborne sound insulation of façade elements and façades
BS 8233:1999	Sound insulation and noise reduction for buildings. Code of practice

Solar Control and Thermal Insulation:

BS EN 1096	Glass in building. Coated glass.
Part 1:1999	Definitions and classification
Part 2:2001	Requirements and tests methods for class A, B and S coatings
Part 3:2001	Requirements and test methods for class C and D coatings
Part 4:2004	Evaluation of conformity/ Product standard
BS EN 12898:2001	Glass in building. Determination of the emissivity
BS EN 1279	Glass in building. Insulating Glass Units
Part 1:2004	Generalities, dimensional tolerances and rules for the system description
Part 2:2002	Long term test method and requirements for moisture penetration
Part 3:2002	Long term test method and requirements for gas leakage rate and for gas concentration tolerances
Part 4:2002	Methods of test for the physical attributes of edge seals
Part 5:2005	Evaluation of conformity
Part 6:2002	Factory production control and periodic tests
BS EN 410:2011	Glass in building. Determination of luminous and solar characteristics of glazing
BS EN 673:2011	Glass in building. Determination of thermal transmittance (U value). Calculation method
BS EN ISO 12567	Thermal performance of windows and doors
Part 1:2010	Determination of thermal transmittance by the hot-box method. Complete windows and doors
Part 2:2005	Determination of thermal transmittance by hot box method. Roof windows and other projecting windows
BS EN ISO 14438:2002	Glass in building. Determination of energy balance value. Calculation method

Safety, Security, Design and Installation:

BS 6262:1982	Glazing for buildings	BS EN 12150	Glass in building. Thermally toughened soda lime silicate safety glass
Part 1:2005	General methodology for the selection of glazing	Part 1:2000	Definition and description
Part 2:2005	Code of practice for energy, light and Sound	Part 2:2004	Evaluation of conformity / Product standard
Part 3:2005	Code of practice for fire, security and wind loading	BS EN 12600:2002	Glass in building. Pendulum test. Impact test method and classification for flat glass
Part 4:2005	Safety relating to human impact	BS EN ISO 12543	Glass in building. Laminated glass and laminated safety glass
Part 6:2005	Code of practice for special applications	Part 1:2011	Definitions and description of component parts
Part 7:2005	Code of practice for the provision of information	Part 2:2011	Laminated safety glass
BS 6180:2011	Barriers in and about buildings. Code of practice	Part 3:2011	Laminated glass
BS 5516:2004	Patent glazing and sloping glazing for buildings.	Part 4:2011	Test methods for durability
Part 1:2004	Code of practice for design and installation of sloping and vertical patent glazing	Part 5:2011	Dimensions and edge finishing
Part 2:2004	Code of practice for sloping glazing	Part 6:2011	Appearance
BS EN 1063:2000	Glass in building. Security glazing. Testing and classification of resistance against bullet attack	BS EN 1863	Glass in buildings. Heat strengthened soda lime silicate glass
BS 5357:2007	Code of practice for installation and application of security glazing	Part 1:2011	Definition and description
BS EN 356:2000	Glass in building. Security glazing. Testing and classification of resistance against manual attack	Part 2:2004	Evaluation of conformity. Product standard
BS EN 13541:2001	Glass in building. Security glazing. Testing and classification of resistance against explosion pressure	BS EN 14179	Glass in building. Heat-soaked thermally-toughened soda lime silicate safety glass
BS 8213:2004	Windows, doors and rooflights	Part 1:2005	Definition and description
CPart 1:2004	Design for safety in use and during cleaning of windows, including door-height windows and roof windows. Code of practice	Part 2:2005	Evaluation of conformity / product standard
Part 4:2007	Code of practice for the survey and installation of windows and external doorsets	BS EN 14449:2005	Glass in building. Laminated glass and laminated Safety glass Evaluation of conformity / product standard
		BS 8000	Workmanship on building sites
		Part 7:1990	Code of Practice for glazing
		BS EN 14072:2003	Glass in furniture. Test methods