

BRITISH STANDARD

Building and civil engineering – Vocabulary –

Part 7: Services

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Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 57 and a back cover.

Foreword

Publishing information

This part of BS 6100 is published by BSI and came into effect on 31 January 2008. It was prepared by Technical Committee B/500, *Basic data*. A list of organizations represented on this committee can be obtained on request to its secretary.

Supersession

This part of BS 6100 has been prepared under the direction of Technical Committee B/500, *Basic data*. It supersedes BS 6100-3.1:1986, BS 6100-3.2.1:1984, BS 6100-3.2.2:1984, BS 6100-3.3:1992 and BS 6100-3.4:1985, which are withdrawn.

Relationship with other publications

BS 6100 consists of the following parts.

- *Part 0: Introduction and index.*
- *Part 1: General.*
- *Part 2: Spaces, building types, environment and physical planning.*
- *Part 3: Civil engineering – General.*
- *Part 4: Civil engineering – Transport.*
- *Part 5: Civil engineering – Water engineering, environmental engineering and pipelines.*
- *Part 6: Construction parts.*
- *Part 7: Services.*
- *Part 8: Work with timber and wood-based panels.*
- *Part 9: Work with concrete and plaster.*
- *Part 10: Contract terms.*
- *Part 11: Performance characteristics, measurement and joints.*
- *Part 12: Plant, equipment and persons.*

Information about this document

BS 6100 has been completely restructured and compiled on different principles than previously. Consequently, this part of BS 6100 represents a full revision of the standard.

A general introduction to and explanation of the BS 6100 vocabulary is given in BS 6100-0, which provides an alphabetical index of all the terms in all parts of BS 6100. It is intended that individual parts of BS 6100 are used in conjunction with BS 6100-0 because they do not contain indexes themselves.

BS 6100-1 reproduces verbatim ISO 6707-1 and provides a vocabulary of general terms for the building and civil engineering industry. It is essential that individual parts of BS 6100 are read in conjunction with BS 6100-1.

BS 6100 does not repeat (or provide alternatives for) terms defined in other standards or in other parts of BS 6100. However, it does refer to where definitions can be found and includes a bibliography of all referenced standards.

The terms included in this Part are those considered relevant to building and civil engineering. It does not cover terms and definitions dealing with the more specialized aspects of lamps and lighting design. Note has been taken of relevant international work, and definitions included in this Part are technically equivalent to those included in IEC 50 (45) “International Electrotechnical Vocabulary — Chapter 45: Lighting” published by the International Electrotechnical Commission (IEC) produced jointly with the Commission Internationale de l’Eclairage (CIE). However, certain of the definitions have been simplified in their mode of expression to make them more readily comprehensible to non-specialist users of this glossary.

Presentational conventions

Details of the structure, layout and presentational conventions used in this part of BS 6100 are given in Clause 2.

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

1 Scope

This part of BS 6100 defines terms for the systems, installations and equipment that:

- a) provide water, electricity, heat, warm air and gases;
- b) facilitate internal communication and transport, lighting and waste removal.

This standard does not define terms outside the curtilage of premises, e.g. water supply and public health engineering, which are both covered in BS 6100-6.

2 Vocabulary structure

This part of BS 6100 does not contain its own index. Instead, a comprehensive index of terms is given in BS 6100-0. As a result, it is intended that this part of BS 6100 is used in conjunction with BS 6100-0.

The layout of this vocabulary is designed in accordance with ISO 10241 with terms arranged in a classified order and numbered in accordance with ISO 2145.

Each term has an individual number consisting of seven digits in two parts, the first of two digits, the second of five. Each number tells the following information about the term.

- a) The first two digits represent which part of BS 6100 the term belongs to.
- b) The third digit represents which group of terms it belongs to within the part.
- c) The fourth digit represents which subgroup of terms it belongs to within the group.
- d) The fifth to seventh digits determine the location of the term within the subgroup.

Bold words within a definition indicate terms that are defined elsewhere in this part of BS 6100, other parts of BS 6100 or other standards. Reference to where the term is defined is given in parenthesis after the bold word.

NOTE 1 References to terms defined in BS 6100-1 are shown giving only the part number, e.g. (01); references to terms defined in all other parts of BS 6100 are shown using their full reference number, e.g. (07 59005).

NOTE 2 Where more than one definition source could be referred to, the reference containing the definition of most general applicability is given.

Alternative terms are given in medium type below preferred terms which are given in bold type. All alternative terms have the status of being deprecated. Abbreviations are given in bold type below the terms to which they relate.

In the vocabulary, terms of more than one word are written in their natural word order, e.g. pedestal elbow, and the word order is not inverted, e.g. elbow, pedestal. However, inverted forms of a term are included in the index in BS 6100-0.

Terms are only given in the singular form, even when the plural form is more common (unless the term is only found in the plural form).

3 Energy sources and distribution (07 1xxxx)

3.1 Parts (07 12xxxx)

- 07 12001 burner**
complete unit on which, or in which, a flame is maintained
- 07 12002 fire valve**
valve (01) provided in a **pipe** (01) carrying flammable liquid or **gas** (BS 1179) to cut off supply, automatically or by fire
- 07 12003 gas main**
pipe (01) to convey **gas** (BS 1179) in a manufacturing or **distribution** (07 14001) system, other than a **service pipe** (BS 1179-6) or an **installation pipe** (BS 1179-6)
- 07 12004 emergency gas control**
valve (01) that enables a supply of **gas** (BS 1179) to be shut off in an emergency
- 07 12005 flexible gas meter connection**
pipe (01), semi-rigid to allow for adjustment, that connects a **meter governor** (BS 1179) to a **meter control** (BS 1179-6)
- 07 12006 pedestal elbow**
restrictor elbow
elbow (07 42171) with **throat restrictor** (BS 1846-1) and integral **plug** (07 42204) to provide a temporary seal
- 07 12007 oil storage tank**
main tank to which **oil fuel** (07 19001) is delivered and from which it is supplied to an **appliance** (01) or **oil service tank** (07 12008)
- 07 12008 oil service tank**
secondary tank from which **oil fuel** (07 19001) is fed to a single **appliance** (01)
- 07 12009 central oil storage**
system in which **oil fuel** (07 19001) for more than one consumer is held in a common **oil storage tank** (07 12007)
- 07 12010 fill pipe**
pipe (01) that connects an **oil storage tank** (07 12007) to a remote **filling point** (07 12011)
- 07 12011 filling point**
point accessible to a vehicle to which delivery of **oil fuel** (07 19001) is made
- 07 12012 catchpit**
sump (01) or **well** (05 21002) below **ground level** (01) immediately beneath a tank or tanks to contain leakage or spillage
- 07 12013 outflow heater**
equipment adjacent to the outlet from an **oil storage tank** (07 12007) to raise the temperature of **oil fuel** (07 19001) to facilitate flow

- 07 12014 bulk heater**
equipment to heat all the contents in an **oil storage tank** (07 12007)
- 07 12016 oil meter**
measuring instrument (BS 6953) indicating and sometimes recording the volume of **oil fuel** (07 19001) passing through it
- 07 12017 overfill alarm**
device indicating that the level of **oil fuel** (07 19001) in a **oil storage tank** (07 12007) is approaching maximum during delivery
- 07 12018 dump valve**
automatically operated **valve** (01) that allows the contents of an **oil service tank** (07 12008) to drain rapidly to an **oil storage tank** (07 12007) in the event of fire
- 07 12019 gravity feed system**
system in which **oil fuel** (07 19001) flows from an **oil storage tank** (07 12007) to an **appliance** (01) entirely by gravity
- 07 12020 sub-gravity feed system**
system in which a **pump** (01) draws **oil fuel** (07 19001) from an **oil storage tank** (07 12007) that is below the level of the **pump** (01) and supplies it to an **installation** (01)
- 07 12021 oil ring main system**
firing system round which **oil fuel** (07 19001) is circulated and supplied to **burners** (07 12001) as required
- 07 12022 hot oil ring main**
oil ring main system (07 12021) in which **oil fuel** (07 19001) is maintained at a temperature required for supply to **burners** (07 12001)
- 07 12023 warm oil ring main**
oil ring main system (07 12021) in which **oil fuel** (07 19001) is maintained at a temperature above ambient temperature but below that required by **burners** (07 12001)
- 07 12024 cold oil ring main**
oil ring main system (07 12021) in which **oil fuel** (07 19001) is unheated
- 07 12025 trace heater**
equipment that maintains required temperature along an **oil fuel** (07 19001) **pipe** (01)
- 07 12026 steam tracer line**
pipe (01) in which steam flows parallel to an **oil fuel** (07 19001) **pipe** (01) as a **trace heater** (07 12025)
- 07 12027 vaporizing oil burner**
burner (07 12001) in which **oil fuel** (07 19001) is vaporized before mixed with air to form a combustible mixture
- 07 12028 atomizing oil burner**
burner (07 12001) in which **oil fuel** (07 19001) is reduced to finely divided droplets before being mixed with air to form a combustible mixture

- 07 12029 coal bunker**
container for storing **solid mineral fuel** (BS 1846-1)
NOTE Usually for domestic use.
- 07 12030 brick central unit**
centrally sited **brick** (01) chamber that contains a stand-in domestic **solid fuel appliance** (BS 1846-1) with **chimney** (01) seal
- 07 12031 industrial solid fuel appliance**
solid fuel appliance (BS 1846-1) of rated output above 45 kW
- 07 12032 normal output back boiler**
back boiler (BS 1846-1) that provides hot water for domestic use
- 07 12033 high output back boiler**
back boiler (BS 1846-1) that provides hot water for domestic use and space heating
- 07 12034 generator**
machine for converting mechanical **energy** (01) into **electric** (07 17002) **energy** (01)
- 07 12035 transformer**
equipment that transfers **electric** (07 17002) **energy** (01) without change of frequency at different values of **voltage** (BS 4727-1 Group 01)
- 07 12036 substation**
installation (01) that comprises a **transformer** (07 12035) and its enclosure
- 07 12037 single phase voltage source**
source that supplies single **alternating voltage** (BS 4727-1 Group 01)
- 07 12038 single phase current source**
source that supplies single **alternating current** (BS 4727-1 Group 01)
- 07 12041 electric meter**
device that measures, indicates and sometimes records the quantity of electricity supplied to an **installation** (01)
- 07 12043 Category 1 circuit**
circuit (BS 4727-1 Group 01) other than a fire alarm or **emergency lighting** (07 52017) **circuit** (BS 4727-1 Group 01) operating at **low voltage** (07 19006) supplied directly from a mains supply
- 07 12044 Category 2 circuit**
circuit (BS 4727-1 Group 01) supplied from a safety source for **telecommunication** (01)
- 07 12045 Category 3 circuit**
fire alarm **circuit** (BS 4727-1 Group 01) or **emergency lighting** (07 52017) **circuit** (BS 4727-1 Group 01)
- 07 12046 final circuit**
circuit (BS 4727-1 Group 01) connected directly to equipment powered by **current** (BS 4727-1 Group 01), to a **socket outlet** (07 12091) or other **electric point** (07 12092) for the connection of such equipment

- 07 12047 ring circuit**
final circuit (07 12046) arranged in the form of a ring and connected to a single point of supply
- 07 12048 radial circuit**
final circuit (07 12046) in which the **cables** (07 12056) radiate from a single point of supply
- 07 12049 auxiliary circuit**
group of electric **circuits** (BS 4727-1 Group 01) carrying the **current** (BS 4727-1 Group 01) of auxiliaries
NOTE Fans (13 86030), air compressors (13 46009) are examples of auxiliaries.
- 07 12050 control circuit**
auxiliary circuit (07 12049) at a lower **voltage** (BS 4727-1 Group 01) than a main **electric circuit** (BS 4727-1 Group 01), that controls equipment
- 07 12051 short circuit**
accidental or intentional connection by a relatively low resistance or **impedance** (11 27106), or two or more points in an **electric circuit** (BS 4727-1 Group 01), that are at different **voltages** (BS 4727-1 Group 01)
- 07 12052 exposed conductive part**
conductive part of equipment that can be touched and is not a live part but which might become live under **fault** (01) conditions
- 07 12053 phase conductor**
conductor (BS 4727-1 Group 01) of an **alternating current** (BS 4727-1 Group 01) system for the transmission of **electric** (07 17002) **energy** (01) other than a **neutral conductor** (07 12054)
- 07 12054 neutral conductor**
conductor (BS 4727-1 Group 01) connected to the **electrically neutral** (BS 4727-1 Group 01) point of a system that contributes to transmission of **electric** (07 17002) **energy** (01)
- 07 12055 busbar**
rigid, high conductivity **conductor** (BS 4727-1 Group 01) of solid or hollow cross-section used as a common supply to a number of other **conductors** (BS 4727-1 Group 01)
- 07 12056 cable**
single insulated **conductor** (BS 4727-1 Group 01), solid or stranded, or two or more such **conductors** (BS 4727-1 Group 01)
- 07 12057 mineral insulated cable**
cable (07 12056) insulated with mineral powder, enclosed in a metal sheath
NOTE Usually a copper metal sheath.
- 07 12058 bunched cabling**
two or more **cables** (07 12056) bound together or contained within a single electric **conduit** (01), **cable duct** (07 12085) or **trunking** (07 12087)

- 07 12059 spur**
branch **cable** (07 12056) connected to a **ring circuit** (07 12047) or **radial circuit** (07 12048)
- 07 12060 earth**
conductive mass of the earth, whose electric **potential** (11 27111) at any point is conventionally taken as zero
- 07 12061 earth electrode**
conductor (BS 4727-1 Group 01) or group of **conductors** (BS 4727-1 Group 01) in intimate contact with, and providing an **electrical** (07 17003) connection to **earth** (07 12060)
- 07 12062 earth leakage current**
current (BS 4727-1 Group 01) that flows to **earth** (07 12060) or to extraneous conductive parts in an electric **circuit** (BS 4727-1 Group 01) that is electrically sound
- 07 12063 extraneous conductive part**
conductive part liable to introduce an electric **potential** (11 27111) but not forming part of an **electrical** (07 17003) **installation** (01)
- 07 12064 equipotential bonding**
electric (07 17002) connection that puts **exposed conductive parts** (07 12052) and **extraneous conductive parts** (07 12063) at a substantially equal electric **potential** (11 27111)
- 07 12065 connector**
part of a **cable** (07 12056) coupler or of an **appliance** (01) coupler that is provided with female contacts and is intended to be attached to a flexible **cable** (07 12056) connected to an **electric** (07 17002) supply
- 07 12066 delta connection**
three-phase mesh connection with three **terminals** (BS 4727-1 Group 01)
- 07 12068 solenoid**
coil of **conductive material** (01) that produces a magnetic field when passing **current** (BS 4727-1 Group 01)
- 07 12069 main earthing terminal**
terminal (BS 4727-1 Group 01) for the connection of protective **conductors** (BS 4727-1 Group 01) to the principal means of earthing
- 07 12070 parallel connection**
connection of devices so the same **voltage** (BS 4727-1 Group 01) is applied to all of them
- 07 12071 series connection**
connection of devices so that the same **current** (BS 4727-1 Group 01) passes through all of them
- 07 12072 distribution board**
board on which connections are made for distribution of electric **circuits** (BS 4727-1 Group 01)
*NOTE Usually through **fuses** (07 12080) or **circuit breakers** (07 12074)*
- 07 12073 contactor**
device that makes or breaks an electric **circuit** (07 12074)

- 07 12074 circuit breaker**
switching device capable of making, carrying and breaking **current** (07 12074) under normal electric **circuit** (07 12074) conditions and of making, carrying for a specified time and breaking **current** (07 12074) under specified abnormal conditions
- 07 12075 switch**
mechanically operated **contactor** (07 12073)
- 07 12076 linked switch**
switch (07 12075) the contacts of which are arranged to make or break all poles simultaneously or in a defined sequence
- 07 12077 double pole switch**
linked switch (07 12076) with two poles
- 07 12078 main switch**
switch (07 12075) or **circuit breaker** (07 12074) provided for every **electrical** (07 17003) **installation** (01), that interrupts all live **conductors** (BS 4727-1 Group 01)
- 07 12079 relay**
electromagnetically operated **contactor** (07 12073) for making and breaking a **control circuit** (07 12050)
- 07 12080 fuse**
device that breaks an **electric circuit** (BS 4727-1 Group 01) by melting its conductive part when the **current** (BS 4727-1 Group 01) exceeds a specified value
- 07 12081 fuse element**
conductive part of a **fuse** (07 12080)
- 07 12082 fuse link**
part of a **fuse** (07 12080) that requires replacement after the **fuse** (07 12080) has operated
- 07 12083 switchgear**
assembly (01) of main and auxiliary switching apparatus for operation, regulation, protection or other control of an **electrical** (07 17003) **installation** (01)
- 07 12084 switchboard**
assembly (01) of **switchgear** (07 12083) excluding groups of local **switches** (07 01275) in **final circuits** (07 12046)
cf. **switchboard** (07 22025)
- 07 12085 cable duct**
manufactured enclosure of metal or **insulating material** (01), other than electric **conduit** (01) or **trunking** (07 12087) intended for the protection of **cables** (07 12056) but not intended to form part of a **building** (01) **structure** (01)
- 07 12086 junction box**
housing inside which **cables** (07 12056) from various **electrical** (07 17003) **components** (01) are connected electrically

- 07 12087 trunking**
system of enclosures, of square or rectangular cross-section, for the protection of **cables** (07 12056); one side is removable or hinged
- 07 12088 armouring**
metal covering that protects **cables** (07 12056) against mechanical damage
NOTE Usually flexible.
- 07 12089 braiding**
plaited covering that protects **cables** (07 12056)
NOTE Usually fibrous or metallic.
- 07 12090 cable entry**
device that permits the introduction of **cables** (07 12056) into **electrical** (07 17003) apparatus
- 07 12091 socket outlet**
device installed at an **electric point** (07 12092) to receive an **electric plug** (07 12093)
- 07 12092 electric point**
termination of fixed wiring intended for connection of **electrical** (07 17003) equipment
- 07 12093 electric plug**
device with contact pins to be attached to a flexible **cable** (07 12056) to provide temporary connection to an **electric** (07 17002) supply
- 07 12094 solar heating system**
heating system employing **solar energy** (07 19011)
- 07 12095 direct solar heating system**
solar heating system (07 12094) in which water is passed through the **solar collector** (01)
- 07 12096 indirect solar heating system**
solar heating system (07 12094) in which a liquid other than water is passed through the **solar collector** (01)
- 07 12097 open solar heating system**
solar heating system (07 12094) in which **heat transfer fluid** (07 19012) is in extensive contact with the atmosphere
- 07 12098 vented solar heating system**
solar heating system (07 12094) in which contact between **heat transfer fluid** (07 19012) and the atmosphere is restricted to the free surface of a feed and expansion system
- 07 12099 sealed solar heating system**
solar heating system (07 12094) in which **heat transfer fluid** (07 19012) is completely sealed from the atmosphere
- 07 12100 gravity solar heating system**
solar heating system (07 12094) in which circulation of **heat transfer fluid** (07 19012) is achieved by natural convection

- 07 12101 pumped solar heating system**
solar heating system (07 12094) in which **heat transfer fluid** (07 19012) is circulated by means of a **pump** (01)
- 07 12102 drainback solar heating system**
solar heating system (07 12094) in which, as part of a normal working cycle, a **solar collector** (01) is automatically drained and refilled with **heat transfer fluid** (07 19012)
- 07 12103 draindown solar heating system**
solar heating system (07 12094) in which **heat transfer fluid** (07 19012) is retained until manual draining takes place
- 07 12105 absorber plate**
element of a **solar collector** (01) that receives and absorbs **solar energy** (01) and converts it into heat
- 07 12106 preheat vessel**
thermal store for **energy** (01) transferred from a **solar collector** (01)
- 07 12107 collector aperture**
part of the outer surface of a **solar collector** (01) that admits **solar energy** (01) to an **absorber plate** (07 12105)
*NOTE Includes any **glazing bars** (BS EN 12519) or supports over the **absorber plate** (07 12105).*
- 07 12108 differential temperature controller**
device that is able to detect a small temperature difference and to control **pumps** (01) and other **electrical** (07 17003) devices in accordance with this temperature difference
- 07 12109 flat plate collector**
solar collector (01) that employs no concentration of incident solar radiation and in which the **absorber plate** (07 12105) is essentially planar
- 07 12110 trickle collector**
flat plate collector (07 12109) in which **heat transfer fluid** (07 19012) flows down the **absorber plate** (07 12105) surface
- 07 12112 embedded collector**
solar collector (01) in which fluid passages are embedded either in the **ground** (01) or within a **concrete** (01) or **asphalt** (01) covering
- 07 12113 unglazed collector**
solar collector (01) in which the front surface of the **absorber plate** (07 12105) is exposed to the surrounding air
- 07 12114 glazed collector**
solar collector (01) in which the **absorber plate** (07 12105) is covered by a translucent **glazing** (01) **material** (01)
- 07 12122 district heating**
distribution (07 14001) of heating fluid from a central source to a number of consumers in a district
- 07 12123 group heating**
distribution (07 14001) of heating fluid from a central source to a number of consumers to one estate or in one set of **buildings** (01)

- 07 12124 central energy station installation** (01) in which fluid for **district heating** (07 12122) or **group heating** (07 12123) is heated before **distribution** (07 14001) and in which electricity can be generated
- 07 12125 heat exchange station installation** (01) in which **district heating primary distribution** (07 12129) supplies **energy** (01) through a heat exchanger to **district heating secondary distribution** (07 12130) at a lower temperature
- 07 12126 district heating two pipe system**
system of **district heating** (07 12122) in which there is one **flow pipe** (07 42085) and one **return pipe** (07 42086)
- 07 12127 district heating three pipe system**
system of **district heating** (07 12122) in which there is a **flow pipe** (07 42085) and a **return pipe** (07 42086), and an additional smaller **flow pipe** (07 42085) for reduced summer load
- 07 12128 district heating four pipe system**
system of **district heating** (07 12122) in which separate **flow pipe** (07 42085) and **return pipe** (07 42086) are provided for heating and hot water purposes
- 07 12129 district heating primary distribution**
part of a **district heating** (07 12122) **installation** (01) between a **central energy station** (07 12124) and the furthest point from which several consumers are served
- 07 12130 district heating secondary distribution**
part of a **district heating** (07 12122) **installation** (01) between the end of its **district heating primary distribution** (07 12129) and the supply of heating fluid to individual consumers
- 07 12131 pipe-in-pipe pipe assembly** (01) consisting of an insulated **service pipe** (07 42080) encased in a pressure-tight **casing** (01) of suitable **material** (01)
- 07 12132 heat meter**
device that measures and indicates **energy** (01) supplied, by combining **flow** (01) and temperature signals
NOTE Can also record information.
- 07 12133 oxygen trim**
system to control air: fuel ratio in a **burner** (07 12001) according to the proportion of oxygen in the **flue gas** (BS EN 1443)
- 07 12134 inspection door**
door (01) that provides access to an interior for **maintenance** (01)
- 07 12135 ridge terminal**
terminal (BS 1179-6) that forms part of a **ridge** (01)
- 07 12136 flue gas sampling point**
tapping in a **flue** (01) that enables a **sample** (01) of **flue gas** (BS EN 1443) to be obtained

- 07 12137 economic boiler**
horizontal **shell boiler** (BS 1846-1) in which **products of combustion** (BS EN 1443) pass at least twice through the full length of the vessel
- 07 12138 water tube boiler**
boiler in which water circulates through banks of heated **tubes** (01)
- 07 12139 sectional boiler**
boiler assembled from **components** (01) that have individual integral **waterways** (07 42112)
- 07 12140 economiser**
apparatus that comprises water **tubes** (01) set in the path of **products of combustion** (BS EN 1443) to pre-heat feed water for a boiler

3.2 Materials (07 13xxx)

- 07 13001 electrical insulation**
non-conductive **material** (01) that encloses, surrounds or supports a **conductor** (BS 4727-1 Group 01)
- 07 13002 basic insulation**
electrical insulation (07 13001) applied to live parts to provide basic protection against **electric** (07 17002) shock
- 07 13003 double insulation**
electrical insulation (07 13001) that comprises both **basic insulation** (07 13002) and **supplementary insulation** (07 13004)
- 07 13004 supplementary insulation**
independent **electrical insulation** (07 13001) to provide protection against **electric** (07 17002) shock in the event of **failure** (11 17012) of **basic insulation** (07 13002)
- 07 13005 single insulation**
electrical insulation (07 13001) applied as one homogeneous piece or as several layers that cannot be tested singly
- 07 13006 reinforced insulation**
single insulation (07 13005) applied to live parts providing protection against **electric** (07 17002) shock equivalent to that provided by **double insulation** (07 13003)

3.3 Activities (07 14xxx)

- 07 14001 distribution**
orderly dispersal of an **energy** (01) medium or fluid between sources and points of use

3.4 Plant, equipment and documentation (07 16xxx)

- 07 16001 flue gas monitor**
device that measures and indicates the proportion of a constituent in **flue gas** (BS EN 1443)

NOTE Can also record information.

3.5 Properties (07 17xxx)

- 07 17001 rated heat input**
manufacturer's declared heat input for an **appliance** (01)
- 07 17002 electric**
containing, producing, arising from or actuated by electricity
- 07 17003 electrical**
related to or associated with electricity, but not having its **properties** (01)
- 07 17005 heat load density**
ratio of the rate of required heat to the area of the district served
- 07 17006 equivalent height**
height (01) of a vertical **flue** (01) that would provide the same flow as the installed **flue** (01)

3.6 Miscellaneous (07 19xxx)

- 07 19001 oil fuel**
liquid **fuel** (01) produced by refining petroleum
- 07 19002 kerosine**
distillate **oil fuel** (07 19001) for use in **vaporizing oil burners** (07 12027) and **atomizing oil burners** (07 12028) in **oil fuel** (07 19001) **appliances** (01) connected to **flues** (01)
- 07 19003 paraffin**
distillate **oil fuel** (07 19001) of **kerosine** (07 19002) type, that has been subjected to additional refining for use in **lamps** (07 52022) and flueless **oil fuel** (07 19001) heating **appliances** (01)
- 07 19004 fuel oil**
residual or blended **oil fuel** (07 19001) requiring pre-heating before use in **atomizing oil burners** (07 12028)
- 07 19005 extra low voltage**
voltage (BS 4727-1 Group 01) that does not exceed 50 V **alternating current** (BS 4727-1 Group 01)
- 07 19006 low voltage**
voltage (BS 4727-1 Group 01) that exceeds **extra low voltage** (07 19005) but does not exceed 1000 V
- 07 19007 high voltage**
voltage (BS 4727-1 Group 01) that exceeds **low voltage** (07 19006)
- 07 19008 overcurrent**
current (BS 4727-1 Group 01) exceeding a rated value
NOTE For conductors (BS 4727-1 Group 01) the rated value is the current carrying capacity.
- 07 19009 overload current**
overcurrent (07 19008) in a **circuit** (BS 4727-1 Group 01) that remains electrically sound

- 07 19010 electric load**
power (01) required by an **appliance** (01) from a **circuit** (BS 4727-1 Group 01)
- 07 19011 solar energy**
radiant **energy** (01) from the sun
- 07 19012 heat transfer fluid**
fluid that passes through a **solar collector** (01) and removes heat from an **absorber plate** (07 12105)

4 Internal communication (07 2xxxx)

4.1 Parts (07 22xxx)

- 07 22001 public telecommunications network**
network (01) of **telecommunication** (01) facilities for use by the public
- 07 22002 internal telephone system**
system providing telephone communication between locations within the same premises
- 07 22003 telecommunications distribution system**
conductors (BS 4727-1 Group 01) and associated connecting devices that allow **telecommunication** (01) between **telecommunications terminal devices** (07 22029) within the premises, or between devices within the premises and the **public telecommunications network** (07 22001)
- 07 22004 internal cable distribution system**
part of a **telecommunications distribution system** (07 22003) that provides inter-connection between a number of **telecommunications terminal devices** (07 22029)
- 07 22005 distribution point**
location in a **telecommunications distribution system** (07 22003) at which **cables** (07 12056) terminate and from which connections to individual **telecommunications outlets** (07 22012) can be made
- 07 22006 test jack frame**
structure (01) connected to the whole or a part of a **private branch exchange** (07 22021) to provide a facility for disconnection and testing
- 07 22007 British Telecom distribution frame**
structure (01) within a **telecommunications distribution system** (07 22003) provided by British Telecom as a terminating point
- 07 22008 user distribution frame**
structure (01) within a **telecommunications distribution system** (07 22003) that a user might provide in addition to a **test jack frame** (07 22006) as an interconnection point for **cables** (07 12056)
- 07 22009 cable branching point**
location in a **telecommunications distribution system** (07 22003) at which the **conductors** (BS 4727-1 Group 01) of one **cable** (07 12056) are divided into two or more **cables** (07 12056) of smaller capacity serving different locations

- 07 22010 under-floor distribution**
method of distributing **telecommunications circuits** (07 22016) in which **cables** (07 12056) are routed in permanent **ducts** (01) laid in the **floor** (01) surface or in the void beneath a **suspended floor** (01)
- 07 22011 under-carpet distribution**
method of distributing **telecommunications circuits** (07 22016) in **cables** (07 12056) of special ribbon construction that allows them to be laid between a **structural floor** (06 42002) surface and a covering without presenting a hazard to foot or other traffic
- 07 22012 telecommunications outlet**
apparatus located where a flexible **cable** (07 12056) is connected to a **telecommunications terminal device** (07 22029)
- 07 22013 waveguide**
metal **tube** (01) for transmission of electromagnetic **energy** (01)
- 07 22014 coaxial cable**
cable (07 12056) that consists of one or more pairs of **conductors** (BS 4727-1 Group 01) with one **conductor** (BS 4727-1 Group 01) of each pair being a **tube** (01) coaxially surrounding the other
- 07 22015 telecommunications channel**
means of transmission of signals in one direction between two points
- 07 22016 telecommunications circuit**
combination of two **telecommunications channels** (07 22015) that permits transmission in both directions between two points
- 07 22017 aerial**
part of a communications system that radiates electromagnetic waves into free space or receives them
- 07 22018 satellite link aerial**
aerial (07 22017) for communication via an artificial satellite positioned above the earth
- 07 22019 inductive loop**
specialized **aerial** (07 22017), looped around a **building** (01) that transmits and receives signals to or from portable **telecommunications terminal device** (07 22029)
- 07 22020 exchange premises**
room (01) or **building** (01) that houses **exchange equipment** (07 22024)
- 07 22021 private branch exchange**
exchange equipment (07 22024) that provides internal communication and has connection to the **public telecommunications network** (07 22001)
- 07 22022 private automatic branch exchange**
private branch exchange (07 22021) that functions on an automatic basis
- 07 22023 private manual branch exchange**
private branch exchange (07 22021) that functions on a manual basis

- 07 22024 exchange equipment**
equipment that selectively establishes temporary connections between **telecommunications circuits** (07 22016) and can provide other optional facilities
- 07 22025 switchboard**
suite of one or more operating consoles at which interconnection of **telecommunications circuits** (07 22016) is manually controlled
cf. **switchboard** (07 12084)
- 07 22026 public address system**
system, with connected loudspeakers distributed about a **building** (01) or location, over which messages can be announced
- 07 22027 radio or television distribution system**
system for the distribution of television and/or radio programmes by **cable** (07 12056) **network** (01) to a number of connected receiving points
- 07 22028 closed circuit television**
system in which television signals are generated and distributed by direct **cables** (07 12056) to defined receiver locations
- 07 22029 telecommunications terminal device**
apparatus for the user at the end of a **telecommunications circuit** (07 22016)
- 07 22030 modem**
telecommunication (01) device that modulates and demodulates signals to enable digital data to be transmitted over analogue **telecommunication** (01) circuits
- 07 22031 computer**
data processor that can perform substantial computation without intervention by a human operator during a run
- 07 22032 hardware**
physical equipment used in data processing as opposed to **computer** (07 22031) programs, procedures and rules
- 07 22033 peripheral equipment**
hardware (07 22032) that is distinct from the computer, providing additional facilities or outside communication
- 07 22034 computer monitor**
screen that displays an image generated by a computer
- 07 22035 telephone set**
telecommunications terminal device (07 22029) for transmitting speech, that incorporates a microphone and receiver
- 07 22036 telephone hood**
acoustic hood that fits above a **telephone set** (07 22035) in such a position as to reduce the **ambient noise level** (11 27104)
- 07 22037 telephone entry system**
security system that allows access to a **building** (01) or **room** (01) only after a person has been identified by **telephone set** (07 22035)

4.2 Materials (07 23xxx)

- 07 23001 optical fibre**
fibre strand of **glass** (01) or plastics along which signals can be transmitted in the form of light

5 Internal transport (07 3xxxx)

- 07 32001 electric lift**
lift (01) powered by **electric** (07 17002) motor
- 07 32002 handpowered lift**
lift (01) whose sole means of lifting is manual
- 07 32003 underslung lift**
configuration of **lift** (01) drive in which hoisting **ropes** (01) pass around pulleys attached to the underside of the **lift car** (01)
- 07 32004 observation lift**
passenger lift (01) whose lifting mechanism, **lift guides** (07 32018) and **lift car** (01) allow a panoramic outlook
- 07 32005 non-commercial vehicle lift**
lift (01) whose **lift car** (01) is suitably dimensioned for carrying private motor vehicles
- 07 32006 firefighting lift**
lift (01) with additional protection and controls that can be placed under the direct command of the fire service for fighting a fire
- 07 32007 powered homelift**
homelift (BS 5900) powered by **electric** (07 17002) motor
- 07 32008 manually driven homelift**
homelift (BS 5965) whose sole means of operation is manual
- 07 32009 pit**
part of a **lift well** (01) situated below the lowest level served
- 07 32010 lift well enclosure**
structure (01) that separates a **lift well** (01) from its surroundings
- 07 32011 electric lift machine**
lift (01) **assembly** (01) comprising **electric** (07 17002) drive motor and brake
- 07 32012 hydraulic lift machine**
lift (01) **assembly** (01) comprising **hydraulic pump** (01), **pump** (01) motor and **valves** (01)
- 07 32013 lift machine room**
room (01) in which a **lift** (01) mechanism and associated equipment are placed
- 07 32014 lift pulley room**
room (01) in which pulleys for a **lift** (01) are located

*NOTE An overspeed governor can be located in this **space** (01) but not a **lift** (01) machine.*

- 07 32015 passenger control**
device located at **lift landings** (07 32021) and in **lift cars** (01) by which passengers are able to register calls and control **lifts** (01)
- 07 32016 firefighting lift switch**
switch (07 12075) under protective security and at the fire service access level to bring a **firefighting lift** (07 32006) under the immediate control of the fire service
- 07 32017 counterweight**
weight, or series of weights, to counterbalance the **mass** (11 27001) of a **lift car** (01) and part of the **lift rated load** (07 32022)
- 07 32018 lift guide**
lift runner
component (01) that provides directional control for a **lift car** (01) and **counterweight** (07 32017) if present
- 07 32019 lift car door**
lift gate
sliding portion of a **lift car** (01) that permits access when open
- 07 32020 landing door**
hinged or sliding portion of a **lift well enclosure** (07 32020) at each **lift landing** (07 32021) that, when open, gives access to a **lift car** (01)
- 07 32021 lift landing**
part of a **floor** (01), **structure** (01) or **building** (01) where loading or unloading of a **lift** (01) takes place
- 07 32022 lift rated load**
load (01) that a **lift** (01) has been built to carry and for which normal operation is guaranteed by the vendor
- 07 32023 stairlift**
lifting equipment for transporting a person, or person in a wheelchair, between two or more **levels** (01) by means of a guided carriage moving substantially in the direction of a **flight** (01) and travelling in the same path, upwards and downwards
- 07 32024 balustrade**
enclosure on either side of an **escalator** (01) or **moving walk** (BS 7801), including **deckboard** (07 32027) outside the moving **handrail** (01)
cf. **balustrade** (01, 5.2.67)
- 07 32025 landing plate**
stationary part at either end of an **escalator** (01) or **moving walk** (BS 7801) that provides a secure foothold for passengers
- 07 32026 newel end**
part of a **balustrade** (07 32024) on the **landing** (01) at the ends where the moving **handrail** (01) changes direction
- 07 32027 deckboard**
transversely horizontal portion of a **balustrade** (07 32024) that supports the moving **handrail** (01)

- 07 32028 pneumatic conveyor**
system using air pressure for conveying bulk **materials** (01) along **ducts** (01)
- 07 32029 pneumatic document conveyor**
system using air pressure for conveying document containers along **tubes** (01)
- 07 32030 paternoster**
continuously running lifting equipment for transporting passengers in a substantially vertical direction, in which a number of open fronted cars are suspended, so that the car floors remain horizontal when changing direction at the extremities of travel

6 Sanitation (07 4xxxx)

6.1 Parts (07 42xxx)

- 07 42001 corbel sanitary appliance**
sanitary appliance (01) set in a **wall** (01) by means of an integral **fixing** (01) **block** (01)
- 07 42002 tip-up basin**
wash basin (07 02377) mounted on pivots so it can be emptied by tilting
- 07 42003 scrub-up trough**
washing trough (07 42378) that has **wall** (01) mounted **lever handle taps** (07 42244) or remote control **taps** (01) for use before or after surgical operations
- 07 42004 sitz bath**
bath (07 42375) in which a bather sits in a chair
- 07 42005 plunge bath**
bath (07 42375), for more than one person at a time, into which the whole body can be easily immersed
- 07 42006 whirlpool bath**
bath (07 42375) in which an integrated device agitates the water by pumped circulation or induction of water and/or air
- 07 42007 jacuzzi**
whirlpool bath (07 42006) for more than one person
- 07 42008 treatment bath**
bath (07 42375) for hydrotherapy
- 07 42009 footbath**
shallow **bath** (07 42375) for washing the feet
- 07 42010 shower**
installation (01) or **sanitary appliance** (01) that emits a spray of water to wash the human body
- 07 42011 drench shower**
shower (07 42010) that rapidly gives a thorough soaking in an emergency

- 07 42012 tunnel shower**
shower (07 42010) that has a succession of **shower heads** (07 42206) or spreaders that operate simultaneously along its length
- 07 42013 cleaner's sink**
sink (07 42376) and normal **height** (01) (i.e. 900 mm) with protected front edge
- 07 42014 bucket sink**
sink (07 42376), at low level with protected front edge, that facilitates filling and emptying buckets
NOTE Usually with a hinged grid on which to stand them.
- 07 42015 vegetable preparation sink**
large metal **sink** (07 42376), with **standing waste** (07 42203), for washing and preparing vegetables
- 07 42016 rinsing sink**
scalding sink
metal **sink** (07 42376) in which water can be heated and culinary utensils and tableware immersed at a high temperature
- 07 42017 pot sink**
utensil sink
large metal **sink** (07 42376) with **standing waste** (07 42203) for washing cooking utensils
- 07 42018 plaster sink**
sink (07 42376) with **sediment** (BS EN ISO 772) receiver to prevent **waste** (01) **plaster** (01) passing into **drains** (01)
- 07 42019 drip sink**
small **sink** (07 42376) that catches drips or flow from a **tap** (01)
- 07 42020 laboratory sink**
sink (07 42376) of acid-resisting material with a top edge shaped to facilitate fixing to the underside of a benchtop
- 07 42021 combination sink**
sink (07 42376) with one or more integral **drainers** (07 42052)
- 07 42022 shelf sink**
ceramic **sink** (07 42376) with an integral back shelf through which **water fittings** (07 42105) are mounted
- 07 42023 Belfast sink**
deep ceramic **sink** (07 42376) that has a plain edge and a **weir overflow** (07 47006)
- 07 42024 London sink**
deep ceramic **sink** (07 42376) that has a plain edge and no **overflow** (BS EN 1717)
- 07 42025 eye wash fountain**
sanitary appliance (01) to enable users to wash their eyes without touching them
NOTE Usually installed in work places where there is a risk of injury to eyes by solid particles or dangerous liquids.

- 07 42026 dental cuspidor**
sanitary appliance (01) to receive and flush away mouth washings
- 07 42027 urinal slab batter**
inclination to the vertical of a **urinal** (07 42379)
- 07 42028 trough urinal**
wall (01) mounted **urinal** (07 42379) of elongated **shape** (11 27004) on **plan** (BS ISO 10209-1) that can be used by more than one person at a time
- 07 42029 washdown WC pan**
WC pan (07 42382) in which excreta is removed by the momentum of the flushing water
- 07 42030 washout WC pan**
washdown **WC pan** (07 42029) in which excreta falls first into a shallow water filled bowl
- 07 42031 siphonic WC pan**
WC pan (07 42382) in which excreta is removed by **siphonage** (07 45002) induced by the flushing water
- 07 42032 pedestal WC pan**
floor (01) mounted **WC pan** (07 42382) that has an integral base
- 07 42033 discharge pipe**
pipe (01) that conveys **discharge** (01) from a **sanitary appliance** (01)
- 07 42034 wall hung WC pan**
WC pan (07 42382) cantilevered clear of the **floor** (01)
- 07 42035 close coupled WC suite**
WC suite (01) in which a **flushing cistern** (07 42384) is connected directly to the **WC pan** (07 42382)
- 07 42036 two piece WC pan**
pedestal WC pan (07 42032) with a separate bowl and **trap** (BS EN 1253-1) so that the **trap** (BS EN 1253-1) outlet can be assembled to discharge in different directions in **plan** (BS ISO 10209-1)
- 07 42037 squatting WC pan**
WC pan (07 42382) with an elongated bowl installed with its top edge at or near **floor** (01) level to that the user has to squat
- 07 42038 squatting plate**
glazed ceramic or other hard wearing non-slip foot grip on each side of a **squatting WC pan** (07 42037)
- 07 42039 tread plate**
glazed ceramic or other hard wearing edging to a **floor** (01) finish contiguous to the **channel** (01) of a **slab urinal** (07 42379) or **stall urinal** (07 42381)
- 07 42040 chemical closet**
portable receptacle or **sanitary appliance** (01) that receives and retains excreta in an integral or separate container in which it is chemically treated and from which it has to be emptied periodically

- 07 42041 slop hopper**
hopper-shaped **sanitary appliance** (01) with a flushing rim and outlet similar to those of a **WC pan** (07 42382) into which human excreta is emptied for disposal
- 07 42042 combination slop and wash-up sink**
sink (07 42376) with a **plug waste** (07 42200) discharging into a **slop hopper** (07 42041) alongside
- 07 42043 bedpan washer**
enclosed **sanitary appliance** (01) in which bedpans and urine bottles are emptied and cleansed
- 07 42044 mackintosh sink**
long shallow **sink** (07 42376) in which mackintosh sheets can be cleansed, that drains into a **slop hopper** (07 42041) at one end
- 07 42045 seat and cover**
combined **WC seat** (07 42383) and hinged cover
- 07 42046 ring seat**
WC seat (07 42383) in the **shape** (11 27004) of a ring
- 07 42047 open front seat**
hinged **WC seat** (07 42383) shaped like a horseshoe with a gap at the front
- 07 42048 extension seat**
WC seat (07 42383) that is attached at the back, by means of side or top hinges, to a flat piece of **wood** (01) or plastics **material** (01) secured to the **WC pan** (07 42382)
- 07 42049 self-raising seat**
balanced seat
WC seat (07 42383) with balanced weights or springs to raise it when not in use
- 07 42050 inset seat**
pad seat
seat that consists of two pads of impervious **material** (01) fixed to the top of a **WC pan** (07 42382)
- 07 42051 splashback**
impervious **material** (01) covering the surface of a **wall** (01) adjacent to **sanitary appliances** (01) protecting the area from splashes
- 07 42052 drainer**
impervious working surface located next to a **sanitary appliance** (01) and with a fall towards it
- 07 42053 drinking fountain**
sanitary appliance (01) that provides a low pressure jet of **drinking water** (BS ISO 6107-1)
- 07 42054 half-round channel**
channel (01) of semi-circular cross-section
- 07 42055 block channel**
half-round channel (07 42054) formed within a rectangular block

- 07 42056 benching**
sloping **construction** (01) at the side of a **channel** (01) to confine flow
- 07 42057 anti-splash floor channel**
channel (01) formed within a rectangular block in which the cross-section of the **waterway** (07 42112) is of more than a semi-circle
- 07 42058 rebated block channel**
block channel (07 42055) that has a **rebate** (08 32123) along each top edge to receive a **frame** (01), **grating** (01) or both
- 07 42059 scum channel**
channel (01) around a **swimming pool** (06 12006) at water level
- 07 42060 parapet gutter**
rainwater gutter (01) that has a flat sole, one upright side and one side angled to suit the **slope** (01) of the adjacent **pitched roof** (01)
- 07 42061 fascia gutter**
eaves gutter (BS EN 612) fixed to a **fascia board** (01)
- 07 42062 valley gutter**
rainwater gutter (01) down the meeting line of two **slopes** (01) of a **pitched roof** (01) that form a re-entrant angle
- 07 42063 centre gutter**
rainwater gutter (01) that has a flat sole and two sides angled to suit the **slopes** (01) of adjacent equally **pitched roofs** (01)
- 07 42064 half-round gutter**
rainwater gutter (01) of semi-circular cross-section
- 07 42065 ogee gutter**
rainwater gutter (01) that has a full depth vertical back and combined sole and front of **ogee shape** (11 27004)
- 07 42066 box gutter**
rainwater gutter (01) that has a flat sole and both sides vertical
- 07 42067 moulded gutter**
rainwater gutter (01) that has a full depth vertical back, flat sole and ornamental front
- 07 42068 sawtooth gutter**
rainwater gutter (01) that has a flat sole and sides angled to suit the unequal **slopes** (01) of a **sawtooth roof** (01)
- 07 42069 secret gutter**
rainwater gutter (01) that is almost concealed from view by overhanging **tiles** (01) or that passes through a **roof** (01) **space** (01) to take water from a central **valley gutter** (07 42062) to a **rainwater pipe** (BS EN 612)
- 07 42070 overflow pipe**
pipe (01) connected to a **cistern** (07 42266) to discharge any **overflow** (07 47001)
- 07 42071 standing overflow**
vertical **pipe** (01) in a **cistern** (07 42266) that passes through its base and is connected to an **overflow pipe** (07 42070)

- 07 42072 warning pipe**
overflow pipe (07 42070) that has its outlet in a conspicuous position so that the discharge can be seen
- 07 42073 access pipe**
pipe (01) with a **cleaning eye** (07 47003)
- 07 42074 tailpiece**
 ferrule sleeve
 short length of **pipe** (01) used to connect **pipes** (01) of different **materials** (01)
- 07 42075 stub stack**
 short **discharge stack** (BS EN 12056-2), sealed at the top, that receives discharge from **sanitary appliances** (01) located on one **floor** (01) only
- 07 42076 relief vent**
 additional **ventilating pipe** (BS EN 12056-2) connected to a **discharge stack** (BS EN 12056-2) where an excessive pressure fluctuation is likely to occur
- 07 42077 cross vent**
 yoke vent
 short **relief vent** (07 42076) between a **discharge stack** (BS EN 12056-2) and a main **ventilating pipe** (BS EN 12056-2)
- 07 42078 distributing pipe**
pipe (01) that conveys water from a **cistern** (07 42266), or from hot water apparatus supplied from a **feed and expansion cistern** (07 42267) and under pressure from that **cistern** (07 42266)
- 07 42079 cold feed pipe**
distributing pipe (07 42078) that conveys cold water from a **cistern** (07 42266) to hot water apparatus
- 07 42080 service pipe**
pipe (01) that supplies water from a **water main** (05 31004) to any premises and subject to water pressure from that **water main** (05 31004) or that would be so but for the closing of some **valve** (01)
- 07 42081 communication pipe**
 part of a **service pipe** (07 42080) maintained by a water undertaker
- 07 42082 supply pipe**
 part of a **service pipe** (07 42080) not maintained by a water undertaker
- 07 42083 dead leg**
 length of hot water **pipe** (01) that leads to a draw-off point and does not form part of a **pipe circuit** (07 42354)
 cf. **dead leg** (07 42084)
- 07 42084 dead leg**
 length of redundant **water pipe** (01) in an **installation** (01) that does not have a draw-off point
 cf. **dead leg** (07 42083)

- 07 42085 flow pipe**
pipe (01) in which, in a **primary circuit** (07 42355), water moves away from a boiler or, in a **secondary circuit** (07 42359), water moves away from a hot water storage vessel
- 07 42086 return pipe**
pipe (01) in which, in a **primary circuit** (07 42355), water moves towards a boiler or, in a **secondary circuit** (07 42359), water moves towards a hot water storage vessel
- 07 42087 vent pipe**
exhaust pipe
pipe (01) open to the atmosphere and used in connection with a hot water system for the escape of air and/or steam
cf. **vent pipe** (07 42088)
- 07 42088 vent pipe**
extension from a **distributing pipe** (07 42078) that terminates over a **cistern** (07 42266) to admit air and prevent **backsiphonage** (07 45003)
cf. **vent pipe** (07 42087)
- 07 42089 pulled bend**
bend (07 42106) in a **pipe** (01) achieved without using a **pipe fitting** (01)
- 07 42090 fire bend**
pulled bend (07 42089) made by applying heat and bending while hot
- 07 42091 machine bend**
pulled bend (07 42089) made with a bending machine
- 07 42092 spring**
obtuse **bend** (07 42106) in a **pipe** (01) or **pipe fitting** (01)
- 07 42093 pipe bracket**
pipe fitting (01) providing support for a **pipe** (01); it fits around the **pipe** (01) and has a member for securing to, or building into, a **wall** (01) or other **structure** (01)
- 07 42094 guide bracket**
loose fitting **pipe bracket** (07 42093) that does not restrain thermal movement of the **pipe** (01)
- 07 42095 anchor bracket**
pipe bracket (07 42093) that restrains linear movement
- 07 42096 pipe hanger**
pipe bracket (07 42093) the support for which is suspended
NOTE Usually with provision for adjustment of length (01).
- 07 42097 saddle clip**
pipe clip
pipe bracket (07 42093) that fits over a **pipe** (01) and has ears for securing to a **wall** (01) or other **structure** (01)

- 07 42098 single pipe ring**
pipe bracket (07 42093) that is made in two interconnecting parts with one part having an internally screwed **socket** for connecting to a supporting unit
- 07 42099 double pipe ring**
pipe bracket (07 42093) that is made in two interconnecting parts, with each part having an internally screwed **socket** (01) to enable another similar **pipe bracket** (07 42093) to be connected to it
- 07 42100 fascia bracket**
support for an **eaves gutter** (BS EN 612) fixed to a **fascia board** (01)
- 07 42101 rafter bracket**
support for an **eaves gutter** (BS EN 612) fixed to a **rafter** (01)
- 07 42102 built-in pipe bracket**
pipe bracket (07 42093) built into a **wall** (01) or other **structure** (01)
- 07 42103 haunching**
outward sloping **concrete** (01) support to sides of a **pipe** (01) above a **concrete** (01) **bed** (01)
- 07 42104 cradle**
support shaped to fit the underside of a **pipe** (01), **cylinder** (07 42272), **bath** (07 42375) or similarly shaped **appliance** (01)
- 07 42105 water fitting**
component (01) associated with supply, **distribution** (07 14001) and use of water, apart from its disposal
- 07 42106 bend**
curved **pipe fitting** (01) or **channel fitting** (07 42109) for changing the direction of fluid flow, or curve set in a **pipe** (01)
- 07 42107 branch fitting**
pipe fitting (01) or **channel fitting** (07 42109) that connects one or more branches to a main **pipe** (01) or **channel** (01)
- 07 42108 junction**
clay **branch fitting** (07 42107)
- 07 42109 channel fitting**
component (01) fitted to a **channel** (01) for such purposes as connecting, supporting or changing the direction or cross-section
- 07 42110 channel grating**
perforated cover to a **channel** (01)
- 07 42111 coupling**
pipe fitting (01) or **channel fitting** (07 42109) used to form a **joint** (01)
- 07 42112 waterway**
part of a **fitting** (01) through which water flows
cf. **waterway** (05 22131)

- 07 42113 barrel nipple**
pipe fitting (01) that consists of a short piece of **pipe** (01) with an external taper thread at each end
- 07 42114 bush**
reducing fitting (07 42177) fixed into another **pipe fitting** (01) to reduce its **bore** (05 47002) to receive a smaller **pipe** (01)
- 07 42115 tap boss**
pipe fitting (01) that has a female thread at one end to receive the screwed shank of a **bib tap** (07 42246) and a back **plate** (01) with a plain tail or a male threaded tail with **backnut** (07 42325)
- 07 42116 extension boss**
pipe fitting (01), with a female thread at one end and a male thread at the other, that increases the distance between a **bib tap** (07 42246) and pipework
- 07 42117 breech fitting**
symmetrical **pipe fitting** (01) that unites two parallel **pipes** (01) into one **pipe** (01)
- 07 42118 end cap**
blank cap
device fixed over the end of a **pipe** (01) or **pipe fitting** (01) to close it
- 07 42119 inspection cap**
end cap (07 42118) that can be removed for **inspection** (11 14002), testing or cleaning
- 07 42120 domical grating**
dome-shaped **grating** (01) for covering the outlet of a **urinal** (07 42379), **floor** (01) **channel** (01) or **roof outlet** (07 42165)
- 07 42121 angle branch**
branch fitting (07 42107) connecting at less than 90 degrees
- 07 42122 double branch**
branch fitting (07 42107) with two opposing branches that are swept in the direction of the main flow
- 07 42123 cross**
branch fitting (07 42107) with two unswept opposing branches at right angles to the main flow
- 07 42124 reducing cross**
cross (07 42123) that is a **reducing fitting** (07 42177)
- 07 42125 inverted branch**
branch fitting (07 42107) that connects a **ventilating pipe** (BS EN 12056-2) to a **stack vent** (BS EN 12056-2), in which the branch is inclined below the horizontal or is parallel to the main **pipe** (01) and facing downwards
- 07 42126 parallel branch**
branch fitting (07 42107) that has the branch running parallel to the axis of the main **pipe** (01)

- 07 42127 long branch**
branch fitting (07 42107) with an extended tail, on a **drain** (01) or **discharge pipe** (07 42033)
- 07 42128 sanitary branch**
branch fitting (07 42107) on a **discharge pipe** (07 42033) with an extended branch which terminates in a **socket** (01)
- 07 42129 joinder junction**
branch fitting (07 42107) in which the branch is manufactured with a closed end that is cut off when required for use
- 07 42130 tee**
branch fitting (07 42107) in which the branch connects at 90 degrees to the main **pipe** (01)
- 07 42131 swept tee**
pitcher tee
tee (07 42130) in which the branch is curved through 90 degrees to join a main **pipe** (01) tangentially
- 07 42132 side outlet tee**
tee (07 42130) that has two branches at 90 degrees to each other as well as to the main **pipe** (01)
- 07 42133 reducing tee**
tee (07 42130) that is a **reducing fitting** (07 42177)
- 07 42134 injector tee**
tee (07 42130) that, by means of an internal projection, diverts part of the fluid flow from a main **pipe** (01) into a branch **pipe** (01)
- 07 42135 Y branch**
branch fitting (07 42107) in the **shape** (11 27004) of a letter Y
- 07 42136 channel bend**
bend (07 42106) in a **channel** (01) of semi-circular or three-quarter cross-section
- 07 42137 branch bend**
channel bend (07 42136) in a **manhole** (01) or **inspection chamber** (BS EN 598)
- 07 42138 knuckle bend**
bend (07 42106) with a very small radius
- 07 42139 long radius bend**
bend (07 42106) with a large radius
- 07 42140 long bend**
bend (07 42106) on a **drain** (01) or **discharge pipe** (07 42033) that has an extended **spigot** (BS EN 598) tail
- 07 42141 reducing bend**
reducing fitting (07 42177) in the form of a **bend** (07 42106)
- 07 42142 pass-over bend**
bend (07 42106) that enables one **pipe** (01) to pass over another or over an obstruction

- 07 42143 taper clearing bend**
bend (07 42106) at an inlet to a **drain** (01) with an enlarged opening for **rodding** (BS EN 752-7)
- 07 42144 rest bend**
duck foot bend
bend (07 42106) to receive a vertical **pipe** (01), with an integral base support
- 07 42145 sanitary bend**
bend (07 42106) with extended arms of equal **length** (01) one of which terminates in a **socket** (01)
- 07 42146 channel junction**
channel fitting (07 42109) that connects one or more branches to a main **channel** (01)
- 07 42147 taper channel**
channel fitting (07 42109) that is a **taper** (07 42192)
- 07 42148 stop-end**
channel fitting (07 42109) that is a terminal piece for a **channel** (01) or **rainwater gutter** (01)
- 07 42149 stop-end outlet**
stop-end (07 42148) that has an outlet in its **invert** (05 32036)
- 07 42150 drain chute**
tapered **pipe fitting** (01) at the inlet or outlet of an **inspection chamber** (BS EN 598) or **manhole** (01) to facilitate **rodding** (BS EN 752-7)
- 07 42151 rainwater shoe**
pipe fitting (01) that consists of a short length of horizontal **pipe** (01) with a horizontal or vertical inlet and an access opening into which is fitted a **grating** (01) or **access cover** (01)
- 07 42152 group connector**
breech fitting
branch fitting (07 42107) with double or triple inlets, and a spigoted outlet for connecting to a **gully** (BS EN 1253-1)
- 07 42153 access gully**
gully (BS EN 1253-1) with a **cleaning eye** (07 47003) on the outlet to facilitate **rodding** (BS EN 752-7) from **ground level** (01)
- 07 42154 anti-flooding gully**
gully (BS EN 1253-1) that has a **reflux valve** (01) in the form of a floating ball and seating, to prevent ingress of water into a **building** (01)
- 07 42155 back inlet gully**
gully (BS EN 1253-1) that has an integral inlet so positioned that the liquid is received above the water level in the **gully** (BS EN 1253-1) but below the **grating** (01) or **sealed cover** (04 32066)

- 07 42156 garage gully**
gully (BS EN 1253-1) with a deep **water seal** (07 42313) that retains small quantities of oil and petrol and is fitted with a **sediment bucket** (07 42281)
- 07 42157 gully hopper**
gully inlet
funnel-shaped **component** (01) of a **gully** (BS EN 1253-1)
- 07 42158 raising piece**
gully riser
pipe fitting (01) inserted into the opening of a **gully** (BS EN 1253-1) or **rainwater shoe** (07 42151) to adjust the distance between the **invert** (05 32036) and **ground level** (01) or **floor level** (01)
- 07 42159 road gully**
large capacity **gully** (BS EN 1253-1) with a deep **sump** (01) to retain **grit** (BS EN 12670) to receive **surface water** (01) from a **road** (01)
- 07 42160 hartstop**
gully (BS EN 1253-1) with rectangular top and **grating** (01) shaped to receive a vertical **pipe** (01)
- 07 42161 gully inlet**
pipe fitting (01), fixed vertically, that receives one or more branch **drains** (01) and connects them to a **trap** (BS EN 1253-1)
- 07 42162 gutter outlet**
channel fitting (07 42109) that consists of a short length of **rainwater gutter** (01) that has an outlet in its **invert** (05 32036)
- 07 42163 hopper head**
component (01) that collects **rain water** (BS ISO 6107-1) and **wastewater** (01) and is connected to a combined **drainage system** (01) or combined **sewerage system** (01)
- 07 42164 rainwater head**
component that collects **rain water** (BS ISO 6107-1) and is connected to a **rainwater pipe** (BS EN 612)
- 07 42165 roof outlet**
pipe fitting (01) for building into a **flat roof** (01) to receive **rain water** (BS ISO 6107-1) for discharge into a **rainwater pipe** (BS EN 612)
*NOTE Usually provided with a **grating** (01).*
- 07 42166 balcony outlet**
pipe fitting (01) that provides an inlet to a **rainwater pipe** (BS EN 612) for **rain water** (BS ISO 6107-1) from a **balcony** (01)
- 07 42167 union clip**
double socketed **channel fitting** (07 42109) for connecting two **spigots** (BS EN 598) or **rainwater gutters** (01) in alignment
- 07 42168 angle**
channel fitting (07 42109) that changes the direction of a **rainwater gutter** (01) in the horizontal plane

- 07 42169 pipe shoe**
rainwater shoe
pipe fitting (01), at the foot of a **rainwater pipe** (BS EN 612), that is shaped to discharge clear of the face of the **building** (01)
- 07 42170 anti-splash shoe**
pipe shoe (07 42169) shaped to minimise splashing
- 07 42171 elbow**
pipe fitting (01) that provides a sharp change in direction
- 07 42172 reducing elbow**
elbow (07 42171) that is a **reducing fitting** (07 42177)
- 07 42173 side outlet elbow**
elbow (07 42171) that incorporates a branch at 90 degrees to the main **pipe** (01)
- 07 42174 twin elbow**
symmetrical **pipe fitting** (01) in which two **pipes** (01) curve through 90 degrees to form a single **pipe** (01)
- 07 42175 capillary fitting**
pipe fitting (01) for **capillary joints** (07 42338)
- 07 42176 compression fitting**
pipe fitting (01) for **compression joints** (07 42339)
- 07 42177 reducing fitting**
pipe fitting (01) for connecting **pipes** (01) that differ in diameter
- 07 42178 straight reducer**
reducing fitting (07 42177) that does not involve a change in direction
- 07 42179 hexagonal nipple**
short straight **pipe fitting** (01) with a raised hexagon centrally situated between two externally tapered threaded ends
- 07 42180 saddle**
short **pipe fitting** (01) for **spigot and socket joint** (07 42335) connecting a branch **pipe** (01) to a **drain** (01) or **sewer** (01), with a **flange** (BS EN 598) moulded on or near the **spigot** (BS EN 598) end, the flange being curved to fit the outside of a hole cut in a larger **pipe** (01)
cf. **saddle** (07 42318)
- 07 42181 tail pipe**
part of a **pipe fitting** (01) that consists of a short plain-ended **pipe** (01) with an integral loose **socket** (BS EN 598) for engagement with a coupling nut
- 07 42182 thimble**
brass or copper **pipe fitting** (01) for **spigot and socket joint** (07 42335) between the outlet from a ceramic **sanitary appliance** (01) and a lead or copper **discharge pipe** (07 42033)
- 07 42183 urinal connector**
pipe fitting (01) that consists of a short piece of cast iron **pipe** (01) with a female thread at one end to receive a threaded tail of a **urinal** (42379) outlet and a **spigot** (BS EN 598) at the other end

- 07 42184 socket**
pipe fitting (01) in the form of a short cylindrical internally threaded **pipe** (01); used for **jointing** (01) two **pipes** (01) with externally threaded ends
- 07 42185 socket ferrule**
pipe fitting (01) for a **discharge pipe** (07 42033) that consists of a short piece of **pipe** (01) with a **spigot** (BS EN 598) at one end and a screwed **inspection** (11 14002) **plate** (01) at the other
- 07 42186 socket reducer**
reducing fitting (07 42177) that fits within the depth of a **socket** (01)
- 07 42187 ferrule**
pipe fitting (01) for **jointing** (01) a **service pipe** (07 42080) to a **water main** (05 31004)
- 07 42188 bent ferrule**
ferrule (07 42187) in the form of a 90 degree **bend** (07 42106)
- 07 42189 screwdown ferrule**
swivel ferrule
bent ferrule (07 42188) that incorporates a **screwdown valve** (05 12100) and can have a swivelled part to lead off a **service pipe** (07 42080) at any desired direction in the same plane as the **water main** (05 31004)
- 07 42190 offset**
pipe fitting (01) for **jointing** (01) two **pipes** (01) with axes that are parallel and not in line
- 07 42191 caulking ferrule**
pipe fitting (01) for connecting to the end of a **pipe** (01) made of soft **material** (01) and against which a **caulked joint** (07 42337) can be made
- 07 42192 taper**
reducing fitting (07 42177) that has a uniform reduction in diameter over its **length** (01)
- 07 42193 concentric taper**
taper (07 42192) for **jointing** (01) **pipes** (01) that have axes in a straight line
- 07 42194 level invert taper**
taper (07 42192) for **jointing** (01) the **inverts** (05 32036) or **soffits** (01) of **pipes** (01) in a horizontal line
- 07 42195 union**
composite **pipe fitting** (01) that incorporates a coupling nut to facilitate **jointing** (01) and disconnection of **pipes** (01), **pipe fittings** (01) and **appliances** (01)
- 07 42196 hose union**
union (07 42195) for a **hose** (12 66025)

- 07 42197 plumber's union**
boiler union
copper alloy **union** (07 42195), one end of which has an internal or external thread and the other a straight or **bent tail pipe** (07 42181) for wiping to a lead **discharge pipe** (07 42033)
- 07 42198 waste coupling**
flanged, threaded **pipe fitting** (01) for **jointing** (01) a **sanitary appliance** (01) to a **discharge pipe** (07 42033)
- 07 42199 flush grated waste**
waste coupling (07 42198) with an integral **grating** (01) flush with its inlet end
- 07 42200 plug waste**
waste coupling (07 42198) with a removable **waste plug** (07 42287)
- 07 42201 pop-up waste**
waste coupling (07 42198) with a captive **waste plug** (07 42287) that can be lifted clear by means of a remote manually operated device
- 07 42202 slotted waste**
waste coupling (07 42198) with horizontal slots at one level in its wall to admit into its **waterway** (07 42112) any discharge from a **sanitary appliance** (01) that has passed through the **overflow** (BS EN 1717)
- 07 42203 standing waste**
pipe (01) the top of which is open to form an **overflow** (BS EN 1717) leading to a **discharge pipe** (07 42033) and the bottom of which has a **taper** (07 42192) to fit into a **waste coupling** (07 42198)
- 07 42204 plug**
(services) device fixed into a **pipe** (01) or **pipe fitting** (01) to close it
- 07 42205 nozzle**
open-ended outlet of a **tap** (01) or **draw-off valve** (05 12109) from which water is discharged
- 07 42206 shower head**
spray outlet (07 42209) of a **shower** (07 42210)
- 07 42207 shower rose**
shower head (07 42206) in which water is dispensed through a perforated **plate** (01)
- 07 42208 hand set**
hand held **shower head** (07 42206) with a flexible **supply pipe** (07 42082)
- 07 42209 spray outlet**
water fitting (07 42105) attached to the outlet of a **tap** (01), **mixing valve** (07 42218) or **pipe** (01) from which water is discharged as a spray
- 07 42210 spreader**
sparge pipe
water fitting (07 42105), attached to the end of a **flush pipe** (07 42085), with an outlet that spreads water over the surface of a **urinal** (07 42379)

- 07 42211 swanneck outlet**
short S **bend** (07 42106) outlet for a **tap** (01)
- 07 42212 servicing valve**
isolating **valve** (01) that facilities **maintenance** (01) or **repair** (01) of a **water fitting** (07 42105) or **sanitary appliance** (01)
- 07 42213 temperature relief valve**
temperature activated **valve** (01) that automatically discharges to atmosphere fluid that has built up to excessive temperature in **pipes** (01) and **fittings** (01)
- 07 42214 stopvalve**
isolating **valve** (01) in a **service pipe** (07 42080) or **distributing pipe** (07 42078)
- 07 42215 anti-vacuum valve**
vacuum breaker
valve (01) in a **water service** (01) that opens to admit air if the pressure within the **water service** (01) falls below atmospheric pressure
- 07 42216 check valve**
valve (01) that by means of resilient elastic seal permits water to flow in one direction only and is enclosed when there is no flow
- 07 42217 double check valve assemble**
backflow prevention device (BS EN 1717) that consists of a **water fitting** (07 42105) or an **assembly** (01) of **water fittings** (07 42105) that incorporates two **check valves** (07 42216) and that has a means of testing for effectiveness
- 07 42218 mixing valve**
valve (01) in which separate supplies of hot water and cold water are mixed
- 07 42219 thermostatic mixing valve**
mixing valve (07 42218) in which the temperature of the water at the outlet is preselected and automatically controlled
- 07 42220 flushing valve**
valve (01) that supplies a predetermined quantity of water to cleanse a **WC pan** (07 42382), **urinal** (07 42379) or **slop hopper** (07 42041)
- 07 42221 foot operated valve**
valve (01) that is operated by a pedal at or near **floor** (01) level
- 07 42222 drain valve**
valve (01) used to drain liquid from a system or vessel
- 07 42223 delayed action float-operated valve**
float-operated valve (01) in which the **float** (BS EN ISO 772) is placed in an open-topped chamber in a **cistern** (07 42266); opening the **valve** (01) is delayed until water level in the **cistern** (07 42266) has fallen through a fixed distance and the chamber is refilled over its top edge

- 07 42224 gland cock**
valve (01) with a tapered **seating** (BS EN 736-2) in which a rotatable **plug** (07 42204) is retained by means of a **packing gland** (BS EN 736-2)
- 07 42225 compound gland cock**
valve (01) in which a rotatable **plug** (07 42204) and **packing gland** (BS EN 736-2) are retained by a **cover** (BS EN 736-2)
- 07 42226 plug cock**
valve (01) with a tapered **seating** (BS EN 736-2) in which a rotatable **plug** (07 42204) is retained by a **washer** (06 72096), **screw** (01) and **nut** (06 72092) at the smaller end of the **plug** (07 42204)
- 07 42227 pet cock**
miniature **plug cock** (07 42226) fitted on vessels or **pumps** (01) for detection of the presence of air or water or to release it
cf. **pet cock** (07 42228)
- 07 42228 pet cock**
valve (01) that controls water flow to an automatic **flushing cistern** (07 42384)
cf. **pet cock** (07 42227)
- 07 42229 air release valve**
manually operated **valve** (01) that releases air from a water **pipe** (01) or **water fitting** (07 42105)
- 07 42230 toby**
underground **stopvalve** (07 42214) on a **service pipe** (07 42080)
- 07 42231 anti-flooding valve**
reflux valve (01) that provides protection against **surcharge** (07 45006) for a **drain** (01), **sewer** (01) or **basement** (01)
- 07 42232 disc feed**
disc with a calibrated orifice, mounted in a **union** (07 42195) to regulate **flow** (01) into an automatic **flushing cistern** (07 42384)
- 07 42233 ceramic seal**
device to control **flow** (01) in a **valve** (01) that consists of two finely machined ceramic elements in close contact, one of which is moved to align orifices in each disc
- 07 42234 handstop**
hand-operated **plate** (01) for stopping the flow in a **channel** (01)
- 07 42235 piston float-operated valve**
float-operated valve (01) in which water flow is controlled by movement of a piston
- 07 42236 equilibrium float-operated valve**
float-operated valve (01) in which the hydraulic forces acting within the **valve** (01) are balanced on each side of the closing piston or diaphragm
- 07 42237 globe valve**
screwdown valve (05 12100) that has a spherical body

- 07 42238 plug valve**
valve (01) that has a ported **plug** (07 42204) that can be turned relative to the **body seat** (BS EN 736-2) ports
- 07 42239 lubricated plug valve**
plug valve (07 42238) in which a lubricant is injected under pressure between the **plug** (07 42204) face and the body
- 07 42240 lockshield valve**
valve (01) with a spindle shrouded so it can only be operated with a removable key
- 07 42241 screwdown tap**
tap (01) in which a **plate** (01) or disc is moved by the rotation of a screwed spindle to close or open the orifice
- 07 42242 quick action tap**
tap (01) that can be opened or closed fully with a single small movement of the operating mechanism
- 07 42243 ceramic disc tap**
quick action tap (07 42242) with a **ceramic seal** (07 42233) to close or open the orifice
- 07 42244 lever handle tap**
quick action tap (07 42242) that is operated by a lever handle
- 07 42245 quarter turn tap**
quick action tap (07 42242) that can be fully opened or shut by turning the operating mechanism through 90 degrees
- 07 42246 bib tap**
tap (01) with horizontal inlet and **nozzle** (07 42205) that discharges downwards
- 07 42247 pillar tap**
tap (01) with vertical inlet and **nozzle** (07 42205) that discharges downwards
- 07 42248 globe tap**
tap (01) fitted through the end of a **bath** (07 42375), with horizontal inlet, partially spherical body and vertical **nozzle** (07 42205)
- 07 42249 combination tap assembly**
assembly (01) of hot water **tap** (01) and cold water **tap** (01) with a common **nozzle** (07 42205)
- 07 42250 single outlet combination tap assembly**
combination tap assembly (07 42249) in which hot and cold water mix before emerging from the **nozzle** (07 42205)
- 07 42251 divided flow combination tap assembly**
combination tap assembly (07 42249) in which hot and cold water are kept separate until emerging from the **nozzle** (07 42205)
- 07 42252 diverter assembly**
combination tap assembly (07 42249) with a **valve** (01) to enable the flow of mixed water to be transferred to a **shower head** (07 42206)

- 07 42253 self closing tap**
tap (01) opened by pressure on the top of the operating spindle and closed by means of a spring or weight when pressure is released
- 07 42254 timed flow tap**
self closing tap (07 42253) that discharges for a predetermined length of time
- 07 42255 non-concussive tap**
self closing tap (07 42253) that does not induce surge (05 19015)
- 07 42256 spray tap**
tap (01) with spray outlet (07 42209)
- 07 42257 spray mixing tap**
spray tap (07 42256) connected to hot and cold water supplies delivering water at a temperature that is determined during use
- 07 42258 hose union tap**
bib tap (07 42246) or pillar tap (07 42247) that has a nozzle (07 42205) with a male thread to which a hose union (07 42196) can be attached
- 07 42259 draining tap**
tap (01) to drain a hot or cold water service (01)
- 07 42260 primary heater**
heat exchanger mounted inside a cylinder (07 42272) or calorifier (01) for transfer of heat to stored water from circulating primary hot water or steam
- 07 42261 water heater**
device or appliance (01) for heating water
- 07 42262 unvented water heater**
water heater (07 42261) that operates at a predetermined pressure
- 07 42263 water jacketed tube heater**
appliance (01) in which water is heated while it flows through a pipe (01) or coil immersed in a tank of hot water maintained at a predetermined temperature
- 07 42264 air vessel**
closed chamber that utilizes compressibility (11 27020) of contained air to maintain liquid pressure in a pipe (01) when a pump (01) is not operating
- 07 42265 water tank**
closed non-cylindrical vessel for storing water under pressure
- 07 42266 cistern**
fixed vessel for storing water at atmospheric pressure
- 07 42267 feed and expansion cistern**
cistern (07 42266) that supplies cold water to a hot water system (01) and also accommodates increases in volume of the water when heated

- 07 42268 expansion cistern**
cistern (07 42266) connected to a **primary circuit** (07 42355) for accommodating increases in volume of the water
- 07 42269 combination hot water storage unit**
compact unit that comprises a hot water storage vessel and one or more **feed and expansion cistern** (07 42267)
- 07 42270 dual flush cistern**
flushing cistern (07 42384) connected to a **WC pan** (07 42382) that provides two different volumes of discharge, the selection being made by the user
- 07 42271 flushing trough**
flushing cistern (07 42384), operated by the user, that contains more than one device for discharging water and is connected to a range of **WC pans** (07 42382)
- 07 42272 cylinder**
closed cylindrical vessel for storing water under pressure
- 07 42273 diluting receiver**
vessel into which the contents of a **laboratory sink** (07 42020) is discharged and retained for dilution by other liquids, before they are displaced into a **drainage system** (01)
- 07 42274 sealed expansion vessel**
closed vessel divided into two compartments by a flexible diaphragm, one charged with nitrogen or air under pressure and the other with water
- 07 42275 tap aerator**
device that is attached to or forms part of the **nozzle** (07 42205) of a **tap** (01) to entrain air into a stream of water
- 07 42276 anti-splash device**
device that is fitted to the **nozzle** (07 42205) of a **tap** (01) to reduce splashing
- 07 42277 pipe interrupter**
backflow prevention device (BS EN 1717) through which water passes and into which air can enter through an annular aperture or several holes or slits
- 07 42278 standpipe**
vertical length of **pipe** (01) installed on a **water main** (05 31004) or **service pipe** (07 42080) that extends above **ground** (01), with a **tap** (01)
cf. **standpipe** (07 42279)
- 07 42279 standpipe**
portable **pipe fitting** (01) for **fixing** (01) in a vertical position on a **hydrant** (07 42280) to enable water to be drawn off directly or through a **hose** (12 66025)
cf. **standpipe** (07 42278)

- 07 42280 hydrant**
device, fitted to a **pipe** (01), through which a temporary supply of water can be provided
- 07 42281 sediment bucket**
strainer bucket
removable container in a **gully** (BS EN 1253-1) or **catchpit** (07 12012) to retain solid particles of matter that settles readily
- 07 42282 quadrant strainer**
perforated steel **plate** (01), fitted vertically across a corner of a metal **sink** (07 42376), that acts as a **strainer** (01)
- 07 42283 stopper**
device for closing an orifice
- 07 42284 bag stopper**
inflatable **stopper** (07 42283) for sealing a **pipe** (01)
NOTE Usually for pipe (01) testing.
- 07 42285 taphole stopper**
stopper (07 42283) for unwanted **tap** (01) hole in a **sanitary appliance** (01)
- 07 42286 expanding stopper**
drain plug
expandable **stopper** (07 42283) for sealing a **pipe** (01)
NOTE Usually for pipe (01) testing.
- 07 42287 waste plug**
stopper (07 42283) that prevents flow through a **wastewater** (01) outlet
- 07 42288 clencher stopper**
stopper (07 42283) in the **cleaning eye** (07 47003) of an **intercepting trap** (07 42304)
- 07 42289 wire balloon**
bulbous wire guard that is fitted to reduce the likelihood of **pipe** (01) blockages; fitted at the head of a **ventilating pipe** (BS EN 12056-2) to discourage bird nesting, or in a **gutter outlet** (07 42162)
- 07 42290 waste disposal unit**
electrically operated device that reduces **waste** (01) into fragments small enough to be flushed into a **drainage system** (01)
- 07 42291 eductor**
ejector
device in which a partial vacuum is created by the pressure of a stream of air, steam or water to lift a fluid
- 07 42292 easy-clean cover**
access cover (01) that fits over the head of a **tap** (01) or **stopvalve** (07 42214)
- 07 42293 inspection cover**
access cover (01) for an **inspection chamber** (BS EN 598)

- 07 42294 grease interceptor**
chamber on the line of a **drain** (01) or **discharge pipe** (07 42033) that prevents grease passing into a **drainage system** (01)
- 07 42295 sealing plate**
access cover (01), level with the **ground** (01) or **floor** (01) surface, that fits into the **socket** (01) of a **drain pipe** (01), **pipe fitting** (01) or **gully** (BS EN 1253-1) top
- 07 42296 stopvalve guard**
vertical shaft supporting a **surface box** (07 42297) at one end and slotted at the other, for placing over an underground **stopvalve** (07 42214)
- 07 42297 surface box**
frame (01) with an **access cover** (01), fixed at **ground level** (01), giving access to an underground **pipe fitting** (01)
- 07 42298 hydrant box**
surface box (07 42297) over a **hydrant** (07 42280)
- 07 42299 bottle trap**
compact **trap** (01) in which the division between the inlet and outlet is formed by a dip tube or vane within the **trap** (01) and the lower part of which is removable for access
- 07 42300 catchpot trap**
bottle trap (07 42299) in which the removable lower part is large enough to retain **waste** (01) for examination or recovery
- 07 42301 deep seal trap**
trap (BS EN 1253-1) with a **water seal** (07 42313) 75 mm or more in depth (01)
- 07 42302 shallow seal trap**
trap (BS EN 1253-1) that has a **water seal** (07 42313) 50 mm or less in depth (01)
- 07 42303 high invert trap**
trap (BS EN 1253-1) with a vertical inlet in which the outlet **invert** (05 32036) is higher than the top of the inlet
- 07 42304 intercepting trap**
disconnecting trap
trap (BS EN 1253-1) to prevent the passage of foul air from a **sewer** (01) into a **drain** (01)
- 07 42305 anti-flooding intercepting trap**
intercepting trap (07 42304) that incorporates a **reflux valve** (01)
- 07 42306 cascade intercepting trap**
intercepting trap (07 42304) in which the **invert** (05 32036) of the outlet is lower than that of the inlet
- 07 42307 running trap**
tubular **trap** (BS EN 1253-1) in which inlet and outlet are in horizontal alignment

- 07 42308 P trap**
trap (BS EN 1253-1) with a vertical inlet and an outlet inclined slightly below horizontal
- 07 42309 S trap**
trap (BS EN 1253-1) with a vertical inlet and an outlet parallel to it
- 07 42310 Q trap**
trap (BS EN 1253-1) with a vertical inlet and outlet inclined at 45 degrees below horizontal
- 07 42311 petrol interceptor**
two or more chambers with inlet and outlet **pipes** (01) arranged to allow petrol collected on the surface of water drained into them to evaporate through **ventilating pipes** (BS EN 12056-2)
- 07 42312 oil interceptor**
one or more chambers arranged to prevent the ingress of oil to a **drain** (01) or **sewer** (01) that retain the collected oil for later removal
- 07 42313 water seal**
water that acts as a barrier to the passage of air through a **trap** (BS EN 1253-1)
- 07 42314 fresh air inlet**
terminal that allows air to enter a **drainage system** (01)
NOTE Might be fitted with a flap.
- 07 42315 wet venting**
lower portion of **ventilating pipe** (BS EN 12056-2) used as **drain** (01) **pipe** (01)
- 07 42316 boss**
protuberance on a vessel, **pipe** (01) or **pipe fitting** (01) that facilitates the **jointing** (01) of a **pipe** (01) or **pipe fitting** (01)
- 07 42317 screwed boss**
boss (07 42316) that has a male or female thread
- 07 42318 saddle**
boss (07 42316) secured for a **pipe** (01) by a ring-shaped clamp used to reinforce a **pipe** (01) where a screwed **ferrule** (07 42187) is inserted cf. **saddle** (07 42180)
- 07 42319 soldered end**
end of a lead **pipe** (01) sealed with wiped solder
- 07 42320 reducing socket**
socket (01) shaped to form an abrupt reduction of **bore** (05 47002) at the **joint** (01) between two **pipes** (01) of different diameters
- 07 42321 cross connection**
connection between otherwise independent **pipes** (01) that permits flow from one into the other
- 07 42322 inlet horn**
socketed projection on a **WC pan** (07 42382) or **slop hopper** (07 42041) for connection of a **flush pipe** (07 42385)

- 07 42323 inlet socket**
recess in a **WC pan** (07 42382) or **slop hopper** (07 42041) for connection of a **flush pipe** (07 42385)
- 07 42324 support liner**
short piece of rigid **pipe** (01) for insertion into the end of a plastics **pipe** (01) wall when a **compression joint** (07 42339) is made
- 07 42325 backnut**
locking **nut** (06 72092) on the screwed shank of a **tap** (01), **valve** (01) or **pipe fitting** (01)
cf. **backnut** (07 42326)
- 07 42326 backnut**
thin threaded **nut** (06 72092), dished on one face, to retain a grommet
cf. **backnut** (07 42325)
- 07 42327 flush pipe connector**
device that provides a watertight **seal** (01) between a **flush pipe** (07 42385) and an **inlet socket** (07 42323)
- 07 42328 lead tack**
lead casting or piece of lead **sheeting** (01), soldered on to a lead **pipe** (01) so it can be secured with a **fastening** (01)
- 07 42329 long screw**
short length of **pipe** (01) that has a tapered thread at one end and a long parallel thread at the other fitted with a **backnut** (07 42326) and **socket** (01)
- 07 42330 diminishing bell butt joint**
joint (01) between two **pipes** (01) of different diameter in which the end of the smaller **pipe** (01) is enlarged to fit the **bore** (06 47002) of the larger **pipe** (01)
- 07 42331 saddle joint**
joint (01) between a branch **pipe** (01) and a main **pipe** (01), the end of the branch **pipe** (01) being shaped to fit against the main **pipe** (01) and around a hole cut into it
- 07 42332 branch-T saddle joint**
saddle joint (07 42331) in which the branch **pipe** (01) is set at 90 degrees to the main **pipe** (01)
- 07 42333 ogee joint**
joint (01) that is formed with curved **joint profiles** (ISO 2444) within the wall thickness of **pipes** (01) or **pipe fittings** (01)
- 07 42334 short bell branch joint**
joint (01) in which the metal around a hole in a main **pipe** (01) is enlarged to receive the enlarged end of a branch **pipe** (01)
- 07 42335 spigot and socket joint**
joint (01) for **pipes** (01) and **channels** (01) in which the plain end of one **section** (01) is inserted into the enlarged end of the other **section** (01)

- 07 42336 solvent welded joint**
spigot and socket joint (07 42335) in which closely fitting plastics surfaces are fused with a solvent
- 07 42337 caulked joint**
spigot and socket joint (07 42335) in which the **jointing material** (01) is compacted
- 07 42338 capillary joint**
fine clearance **spigot and socket joint** (07 42335) into which molten solder is caused to flow by capillary action
- 07 42339 compression joint**
joint (01) between a **pipe** (01) and a **pipe fitting** (01) that has screwed or bolted parts; the end of the **pipe** (01) is held in **compression** (01)
- 07 42340 manipulative type compression joint**
compression joint (07 42339) that requires the end of a **pipe** (01) to be shaped outwards before **jointing** (01)
- 07 42341 non-manipulative type compression joint**
compression joint (07 42339) that does not require the end of a **pipe** (01) to be shaped outwards before **jointing** (01)
- 07 42342 wiped joint**
joint (01) for lead or lead alloy **pipe** (01) in which parts to be jointed are shaped, prepared, fitted together and sealed with solder manipulated with a wiping cloth
- 07 42343 branch wiped joint**
wiped joint (07 42342) used when one **pipe** (01) branches from another
- 07 42344 knuckle wiped joint**
wiped joint (07 42342) used for **jointing** (01) a brass fitting at right angles to the end of a lead **pipe** (01) where there is insufficient room for the more normal **branch wiped joints** (07 42343)
- 07 42345 underhand wiped joint**
wiped joint (07 42342) used for **jointing** (01) two horizontal **pipes** (01) in situ
- 07 42346 upright wiped joint**
wiped joint (07 42342) used for **jointing** (01) two vertical **pipes** (01) in situ
- 07 42347 taft joint**
wiped joint (07 42342) made by shaping one **pipe** (01) end to form a bellmouth and the other to form a taper
- 07 42348 fine solder joint**
joint (01) for lead or lead alloy **pipes** (01) made by shaping one **pipe** (01) end to form a bellmouth and the other to form a taper, fitting together and melting-in fine solder
- 07 42349 thermal fusion joint**
joint (01) formed by holding together until cool two surfaces of thermoplastics materials that have been heated to melt state

- 07 42350 o-ring joint**
joint (01) where a **spigot** (BS EN 598) is **jointed** into a **socket** (01) using an elastomeric o-ring between the **pipe** (01) material faces or farings bonded to the **pipes** (01)
- 07 42351 sleeve joint**
joint (01) where two plain **pipes** (01) ends are joined by a sleeve incorporating integral elastomeric gaskets
- 07 42352 water line**
line marked inside a **cistern** (07 42266) to indicate the water level at which its supply **valve** (01) should shut off
- 07 42353 cleaning arm**
branch of a **pipe fitting** (01) equipped with a **cleaning eye** (07 47003)
- 07 42354 pipe circuit**
pipe (01) configuration in which fluid flows
- 07 42355 primary circuit**
pipe circuit (07 42354) that connects a **water heater** (07 42261) to a **cylinder** (07 42272) or **calorifier** (01)
- 07 42356 vented primary circuit**
primary circuit (07 42355) that has a **vent pipe** (07 42087)
- 07 42357 unvented primary circuit**
primary circuit (07 42355) that does not have a **vent pipe** (07 42087)
- 07 42358 sealed primary circuit**
unvented **primary circuit** (07 42355) with a **sealed expansion vessel** (07 42274)
- 07 42359 secondary circuit**
pipe circuit (07 42354) in which water flows in **distributing pipes** (07 42078) to and from a water storage vessel
- 07 42360 closed circuit**
pipe circuit (07 42354) that has no direct feed from a **service pipe** (07 42080) and from which no water is drawn for use
- 07 42361 secondary system**
part of a **hot water system** (01) that comprises the **cold feed pipe** (07 42079), **cistern** (07 42266), hot water storage vessel and flow and return **pipes** (01) from which hot water is conveyed to draw-off points
- 07 42362 vented secondary system**
secondary system (07 42361) that has a **vent pipe** (07 42087)
- 07 42363 unvented secondary system**
secondary system (07 42361) that does not have a **vent pipe** (07 42087)
- 07 42364 ring main**
system of **pipes** (01) that forms a complete ring into which water is fed at one or more points and from which points of draw-off are supplied by flow in two directions

- 07 42365 plumbing unit**
prefabricated **assembly** (01) of **water fittings** (07 42105) or **sanitary appliances** (01), or both, with a supporting **frame** (01)
- 07 42366 hot water supply system**
hot water system (01) exclusively for hot water supply to draw-off points
- 07 42367 domestic hot water supply system**
hot water supply system (07 42366) for ablution, culinary and cleansing purposes only
- 07 42368 direct hot water supply system**
hot water supply system (07 42366) in which the water supplied to draw-off points is heated by a direct source of heat
- 07 42369 indirect hot water supply system**
hot water supply system (07 42366) in which the water supplied to draw-off points is heated in an indirect **cylinder** (07 42272) or **calorifier** (01)
- 07 42370 single stack system**
sanitary pipework (BS EN 12056-2) that has a **discharge stack** (BS EN 12056-2) and **branch discharge pipes** (BS EN 12056-2), but no **ventilating stack** (BS EN 12056-2)
- 07 42371 modified single stack system**
single stack system (07 42370) with **branch ventilating pipes** (BS EN 12056-2)
- 07 42372 ventilated stack system**
sanitary pipework (BS EN 12056-2) that has a connection at each **floor** (01) from a **discharge stack** (BS EN 12056-2) or **branch discharge pipe** (BS EN 12056-2) to a **ventilating stack** (BS EN 12056-2)
- 07 42374 fully ventilated system**
sanitary pipework (BS EN 12056-2) that is connected to a **ventilating pipe** (BS EN 1253-1) within a specified distance of every **trap** (BS EN 1253-1)
- 07 42375 bath**
sanitary appliance (01) for immersion and washing the human body, or parts of it
- 07 42376 sink**
wastewater (01) **appliance** (01) for receiving, retaining or disposing of domestic culinary, laboratory or industrial process liquids
- 07 42377 basin**
wash basin
sanitary appliance (01) for washing the upper parts of the body
- 07 42378 washing trough**
wash basin (07 42378) of elongated rectangular shape in **plan** (BS ISO 10209-1), at which more than one person can wash at the same time

- 07 42379 urinal**
sanitary appliance (01) for the reception and flushing away of urine
- 07 42380 slab urinal**
urinal (07 42379) that consists of a slab or sheet fixed to a **wall** (01) and a **floor** (01) channel
- 07 42381 stall urinal**
floor (01) mounted **urinal** (07 42379) that consists of a shaped stall secured to a **wall** (01) with an integral **floor** (01) channel
- 07 42382 WC pan**
bowl-shaped **sanitary appliance** (01) used in the sitting position for the reception and flushing away of human excrement
- 07 42383 WC seat**
hinged seat, with or without cover, that fits on top of a **WC pan** (07 42382)
- 07 42384 flushing cistern**
cistern (07 42266) for storage and discharge of a defined volume of flushing water for removal of excrement from a **WC pan** (07 42382) or urine from a urinal
- 07 42385 flush pipe**
pipe (01) that contains water from a flushing cistern to a **WC pan** (07 42382) or **urinal** (07 42379)
- 07 42386 spill-over level**
level in a **sanitary appliance** (01) at which water first spills over if inflow exceeds outflow
- 6.2 Activities (07 44xxx)**
- 07 44001 whole installation backflow prevention**
provision of a **backflow prevention device** (BS EN 1717) to prevent **backflow** (01) from any one **water service** (01) to another **water service** (01) or **water main** (05 31004) that is additional to measures taken at point of use
- 6.3 Processes (07 45xxx)**
- 07 45001 dezincification**
corrosion of certain brasses that results in preferential removal of zinc and leaves a residue of porous copper in the form of the original **product** (01)
- 07 45002 siphonage**
liquid flow to a lower level in a **pipe** (01) in which one or more of its sections lies between the level determined by the **hydraulic gradient** (01) and the level limited by atmospheric pressure
- 07 45003 backsiphonage**
backflow (01) caused by **siphonage** (07 45002) from a **sanitary appliance** (01) or vessel into the **pipe** (01) feeding it
- 07 45004 induced siphonage**
extraction of a **water seal** (07 42313) by **siphonage** (07 45002) due to a reduction in pressure at the outlet

- 07 45005 self-siphonage**
extraction of a **water seal** (07 42313) by **siphonage** (07 45002) due to the momentum of discharge from the **sanitary appliance** (01) served
- 07 45006 surcharge**
pressure head (05 17020) in a **drain** (01) or **sewer** (01) above the **soffit** (01) level when the unpressurized flow capacity is exceeded
- 6.4 Plant, equipment and documentation (07 46xxx)**
- 07 46001 pipe system test**
means of proving the soundness or adequacy of a system of **pipes** (01) or for tracing the existence or route of such a system
- 07 46002 water test**
hydraulic test
pipe system test (07 46001) for soundness by applying water pressure internally
- 07 46003 air test**
pneumatic test
pipe system test (07 46001) for soundness by applying air pressure internally
- 07 46004 smoke test**
air test (07 46003) that introduces smoke and facilitates the location at which **leakage** (05 45001) occurs
- 07 46005 ball test**
pipe system test (07 46001) for circularity and freedom from obstruction of **drains** (01), in which a ball of appropriate diameter is rolled down the **pipe** (01)
- 07 46006 mirror test**
pipe system test (07 46001) for adequacy by **inspection** (11 14002) using light reflected by a mirror
- 07 46007 dye test**
pipe system test (07 46001) in which colouring is introduced into a **drain** (01) or **sewer** (01) to trace the direction of flow or location at which **leakage** (05 45001) occurs
- 07 46008 isotope test**
radioactive test
pipe system test (07 46001) in which fluid containing a radioactive isotope is introduced and sought with a Geiger counter
- 07 46009 closed circuit television survey**
examination of internal condition of a **drain** (01) or **sewer** (01) by use of a television camera directly connected by one or more **cables** (07 12056) to a **computer monitor** (07 22034)

6.5 Properties (07 47xxx)

- 07 47001 overflow**
discharge through overflow (BS EN 1717)
- 07 47002 handhole**
small opening, fitted with an access cover (01), for inspection (11 14002), repair (01) or cleaning (06 08420) of the inside of a vessel
- 07 47003 cleaning eye**
rodding eye
opening, fitted with an end cap (07 42118), plug (07 42204) or access cover (01) in a pipe (01) or pipe fitting (01) that permits clearance of obstructions
- 07 47004 secret overflow**
overflow (BS EN 1717) integrally formed in a wash basin (07 42377), sink (07 42377) or similar sanitary appliance (01) to conduct the discharge into a slotted waste (07 42202)
- 07 47005 slot overflow**
overflow (BS EN 1717) with a slot inlet
- 07 47006 weir overflow**
overflow (BS EN 1717) in the form of a weir (01)
- 07 47007 balanced pressure**
equal pressure of hot and cold water inlets in a mixing water fitting (07 42105)
- 07 47008 capacity of a cistern**
internal volume of a cistern (07 42266) up to the water line (07 42352)
- 07 47009 cupro-solvency**
ability of some waters to dissolve copper in significant quantities
- 07 47010 plumbo-solvency**
ability of some waters to dissolve lead in significant quantities
- 07 47011 diversity factor**
factor to determine the maximum flow (01) to be allowed in a conduit (01), being the probable flow (01) divided by the possible flow (01)
- 07 47012 scale**
hard deposit on the inside of a pipe (01), vessel, sanitary appliance (01) or valve (01)
- 07 47013 air lock**
air trapped in a pipe (01) that restricts or stops the liquid flow

6.6 Spaces (07 48xxx)

- 07 48001 type A air gap**
vertical distance between the lowest point of discharge of an unobstructed inlet **pipe** (01) and the **spill-over level** (07 42386) of a **cistern** (07 42266) or other vessel into which the **pipe** (01) discharges

- 07 48002 type B air gap**
vertical distance between the lowest point of discharge of an unobstructed inlet **pipe** (01) and the highest possible water level of a **water tank** (07 42265), **cistern** (07 42266) or other vessel into which the **pipe** (01) discharges
- 07 48003 surgeon's scrub**
washing place immediately adjoining a **hospital** (02 21033) operating theatre

7 Lighting (07 5xxxx)

7.1 Properties (07 52xxxx)

- 07 52001 lighting**
application of light to scenes, objects or surroundings so they can be seen
- 07 52002 working plane**
horizontal, vertical or inclined plane in which a visual task lies
*NOTE If no information is available, considered to be horizontal and 0.7 m above the **floor** (01) for **offices** (01); horizontal and 0.85 m above the **floor** (01) for industry.*
- 07 52003 artificial lighting**
lighting (07 52001) provided by a **lamp** (07 52002)
- 07 52004 permanent artificial lighting**
artificial lighting (07 52003) used continuously where natural **lighting** (07 52001) is insufficient
- 07 52005 permanent supplementary artificial lighting of interiors (PSALI)**
artificial lighting (07 52003) used as required in combination with **daylight** (07 59005), part of the **artificial lighting** (07 52003) being used continuously, often known by the acronym.
- 07 52007 general surround lighting**
lighting (07 52001) to illuminate an area or objects within a visual field but which do not form a primary visual task
- 07 52008 general lighting**
lighting (07 52001) of an area without provision for special local requirements, not necessarily uniform
- 07 52009 floodlighting**
lighting (07 52001) of a scene or object, often by projectors, in order to increase considerably its **illuminance** (01) relative to its surroundings
- 07 52010 localized lighting**
lighting (07 52001) to illuminate an area, increasing **illuminance** (01) at certain specified positions
- 07 52011 local lighting**
lighting (07 52001) for a specific visual task, additional to and controlled separately from **general lighting** (07 52008)

- 07 52012 uplighting**
lighting (07 52001) directed on to a **ceiling** (01) or upper part of a **wall** (01), to illuminate by reflection
- 07 52013 direct lighting**
lighting (07 52001) in which most of the light reaches a given surface or visual task directly
- 07 52014 indirect lighting**
lighting (07 52001) in which most of the light reaches a given surface or visual task after reflection from surrounding surfaces
- 07 52015 directional lighting**
lighting (07 52001) that illuminates a task or surface, predominantly from one direction
- 07 52016 diffused lighting**
lighting (07 52001) in which light comes from many directions, none of which predominates
- 07 52017 emergency lighting**
lighting (07 52001) for use when the supply to normal **artificial lighting** (07 52003) fails
- 07 52018 safety lighting**
emergency lighting (07 52017) that ensures safety of people involved in a potentially hazardous process
- 07 52019 standby lighting**
emergency lighting (07 52017) that enables normal activities to continue
- 07 52020 escape lighting**
emergency lighting (07 52017) to ensure that an escape route can be effectively identified and used
- 07 52021 extra-low voltage lighting**
lighting (07 52001) with **lamps** (07 52022) at an **extra low voltage** (07 19005)
- 07 52022 lamp**
component (01) for emitting light
- 07 52023 incandescent lamp**
lamp (07 52022) in which light is produced by means of a body heated to incandescence
- 07 52024 discharge lamp**
lamp (07 52022) in which light is produced by **electric** (07 17002) discharge through a gas, a metal vapour or a mixture of several gases and vapours
- 07 52025 fluorescent lamp**
discharge lamp (07 52024) in which most of the light is emitted by one or several layers of phosphors excited by ultraviolet radiation from the discharge

NOTE Most commonly low pressure, tubular **discharge lamps** (07 52024).

- 07 52026 infrared lamp**
lamp (07 52022) that radiates especially strongly in the infrared, visible radiation produced, if any, not being of direct interest
- 07 52027 ultraviolet lamp**
lamp (07 52022) that radiates especially strongly in the ultraviolet, visible radiation produced, if any, not being of direct interest
- 07 52028 bulb**
transparent or translucent gas-tight envelope enclosing the luminous element of an **incandescent lamp** (07 52023)
- 07 52029 lamp cap**
part of a **lamp** (07 52022) that provides connection to an **electric** (07 17002) supply by means of a **lampholder** (07 52033) or **lamp** (07 52022) connector
- NOTE It usually also serves to retain the **lamp** (07 52022) in the **lampholder** (07 52033).*
- 07 52030 screw cap**
lamp cap (07 52029) having its shell in the form of a screw thread that engages the **lampholder** (07 52033)
- 07 52031 bayonet cap**
lamp cap (07 52029) having small pins on its shell that engage in slots in a **lampholder** (07 52033)
- 07 52032 pin cap**
lamp cap (07 52029) that has one or more pins to provide connection to an **electric** (07 17002) supply
- 07 52033 lampholder**
device, holding a **lamp** (07 52022) in position, that connects it with the **electric** (07 17002) supply
- NOTE Usually having a **lamp cap** (07 52029) inserted in it.*
- 07 52034 starting device**
apparatus that provides appropriate **electric** (07 17002) conditions required for starting a **discharge lamp** (07 52024)
- 07 52035 starter**
starting device (07 52034) that provides for preheating of its electrodes and, in combination with the series **impedance** (11 27106) of a **ballast** (07 52036), causes a surge in the **voltage** (BS 4727-1) applied to the **lamp** (07 52022)
- NOTE Usually for **fluorescent lamps** (07 52025).*
- 07 52036 ballast**
device connected between a supply and one or more **discharge lamp** (07 52024) that serves mainly to limit the **current** (BS 4727-1 Group 01) of the **discharge lamp** (07 52024) to a required value
- NOTE Can also be used to transform the **supply voltage** (BS 4727-1 Group 01) to correct the **power factor** (BS 4727-1 Group 01) and to assist starting the **discharge lamp** (07 52024).*

- 07 52037 dimmer**
device that enables **luminous flux** (01) from **lamps** (07 52022) to be varied
- 07 52038 lighting burner**
part of a **gas** (BS 1179) **lamp** (07 52022) in which a flame is produced
- 07 52043 burner nozzle**
burner port (BS 1179-6) of a **lighting burner** (07 52038)
- 07 52050 luminaire**
apparatus that distributes, filters or transforms light transmitted by one or more **lamps** (07 52022), including parts necessary for **fixing** (01) and protection, **electric circuit** (BS 4727-1 Group 01) auxiliaries where needed, and means of connecting them to a **current** (BS 4727-1 Group 01)
- 07 52051 angle luminaire**
luminaire (07 52050) giving light distribution that is asymmetrical with respect to a direction of special interest
- 07 52052 troffer**
long recessed **luminaire** (07 52050)
NOTE Its opening is usually installed flush with the ceiling (01).
- 07 52053 downlight**
small light-concentrating **luminaire** (07 52050)
NOTE Usually recessed in a ceiling (01).
- 07 52054 bulkhead luminaire**
compact, protected **luminaire** (07 52050) fixed directly on a vertical or horizontal surface
- 07 52055 luminous ceiling**
lighting (07 52001) **installation** (01) comprising a substantially continuous surface of **louvres** (01) or translucent **panels** (03 12004) with **lamps** (07 52022) mounted above
- 7.2 Activities (07 54xxx)**
- 07 54001 cut-off**
technique used for concealing **lamps** (07 52022) and surfaces of high **luminance** (01) from direct view in order to reduce **glare** (07 57012)
- 7.3 Plant, equipment and documentation (07 56xxx)**
- 07 56001 sunpath diagram**
diagram (01) showing for a specified latitude, the **solar azimuth** (07 59007) and timing of the sun's path on stated days during the year
- 7.4 Properties (07 57xxx)**
- 07 57001 luminous intensity**
ratio of **luminous flux** (01) leaving a source and propagated in an element of solid angle containing the given direction, to the element of solid angle

- 07 57002 candela**
SI unit of **luminous intensity** (07 57001)
- 07 57003 lumen**
SI unit of **luminous flux** (01), i.e. **luminous flux** (01) emitted within unit solid angle (one steradian) by a point source having uniform **luminous intensity** (07 47001) of one **candela** (07 57002)
- 07 57004 lux**
SI unit of **illuminance** (01), i.e. **illuminance** (01) produced on a surface of area of 1 square metre by **luminous flux** (01) of 1 **lumen** (07 57003) uniformly distributed over that surface
- 07 57005 service illuminance**
mean **illuminance** (01) during one **maintenance** (01) cycle of an **installation** (01), averaged over the relevant area
- 07 57006 standard service illuminance**
service illuminance (07 57005) recommended for an assumed typical condition for the application being considered
- 07 57007 spherical illuminance**
scalar illuminance
average **illuminance** (01) over the whole surface of a very small sphere located at a given point
- 07 57008 cylindrical illuminance**
average **illuminance** (01) over the curved surface of a very small cylinder located at a given point
NOTE Unless otherwise stated the axis of the cylinder is taken to be vertical.
- 07 57009 uniformity ratio**
measurement (01) of variation of **illuminance** (01) over a plane expressed as the ratio of minimum to maximum **illuminance** (01) or ratio of minimum to average **illuminance** (01)
- 07 57010 transmittance**
ratio of **luminous flux** (01) transmitted by material to incident **luminous flux** (01)
- 07 57011 reflectance**
ratio of **luminous flux** (01) reflected from a surface to **luminous flux** (01) incident on it
NOTE Except for matt surfaces, depends on how the surface is illuminated, especially on the direction of incident light and its spectral distribution.
- 07 57012 glare**
condition of vision in which there is discomfort or reduction in ability to see details, objects, or both, caused by unsuitable distribution or range of **luminance** (01), or to extreme contrasts in **space** (01)
- 07 57013 disability glare**
glare (07 57012) that impairs vision of objects without necessarily causing discomfort

- 07 57014 discomfort glare**
glare (07 57012) that causes discomfort without necessarily impairing vision of objects
- 07 57015 direct glare**
glare (07 57012) caused by luminous objects situated in a visual field, especially near the line of sight
- 07 57016 reflected glare**
glare (07 57012) produced by specular reflections, particularly when reflected images appear in the same or nearly the same direction as the object viewed
- 07 57017 glare index**
numerical index that enables **discomfort glare** (07 57014) from a **lighting** (07 52001) **installation** (01) to be assessed and permissible limits of **discomfort glare** (07 57014) from the **installation** (01) to be prescribed
- 07 57019 colour rendering**
effects of an illuminant on **colour** (11 27079) appearance of objects in conscious or sub-conscious comparison with their **colour** (11 27079) appearance under a reference illuminant
- 07 57020 luminous efficacy**
ratio of **luminous flux** (01) emitted by a **lamp** (07 52022) to **power** (01) consumed by it
- 07 57021 circuit efficacy**
ratio of **luminous flux** (01) emitted by a **lamp** (07 52022) to total **power** (01) consumed by the **lamp** (07 52022) and its control gear
- 07 57022 lighting design lumens**
light output of a given **lamp** (07 52022) type stated by the **manufacturer** (01) as the most appropriate for **lighting** (07 52001) design purposes
- 07 57023 mounting height**
vertical distance between **luminaire** (07 52050) and **working plane** (07 52002) or **ground level** (01)
- 07 57024 spacing/height ratio**
ratio of the spacing between geometric centres of adjacent **luminaires** (07 52050) to their **height** (01) above a **working plane** (07 52002)
- 07 57025 utilization factor**
ratio of **luminous flux** (01) received by a reference surface to the sum of individual nominal fluxes of the **lamps** (07 52022) of an **installation** (01)
- 07 57026 light loss factor**
ratio of average **illuminance** (01) on a **working plane** (07 52002) after a specified period of use of a **lighting** (07 52001) **installation** (01), to average **illuminance** (01) obtained under the same conditions for an **installation** (01) considered as new

- 07 57027 room index**
index related to the geometry of a **room** (01) between **working plane** (07 52002) and **luminaires** (07 52050), used in calculation of the **utilization factor** (07 57025)
- NOTE Formula: length of room by width of room, over mounting height (07 57023) by sum of length and width.*
- 07 57028 light output ratio**
ratio of **luminous flux** (01) of a **luminaire** (07 52050) under specified conditions, to the sum of individual **luminous fluxes** (01) of the **lamps** (07 52022)
- 07 57029 upward light output ratio**
ratio of total **luminous flux** (01) of a **luminaire** (07 52050) above a horizontal plane, under specified conditions, to the sum of individual nominal **luminous fluxes** (01) of the **lamps** (07 52022)
- 07 57030 downward light output ratio**
ratio of total **luminous flux** (01) of a **luminaire** (07 52050) below a horizontal plane, under specified conditions, to the sum of individual nominal **luminous fluxes** (01) of the **lamps** (07 52022)
- 07 57031 circumsolar radiance**
intense radiation from clear sky in the immediate vicinity of the sun
- 7.5 Miscellaneous (07 59xxx)**
- 07 59001 metamerism**
phenomenon occurring when coloured objects that match under one illuminant do not match under another or when illuminants of the same **colour** (11 27079) appearance do not have the same **colour rendering** (07 57019) properties
- 07 59002 British zonal system**
system for classifying **luminaires** (07 52050) in relation to their installed **luminous intensity** (01) distribution
- NOTE There are 10 categories of distribution, numbered BZ1 to BZ10.*
- 07 59003 sunlight**
part of solar radiation that reaches the earth's surface as parallel rays after selective attenuation by the atmosphere
- 07 59004 skylight**
part of solar radiation that reaches the earth's surface as a result of scattering in the atmosphere
- 07 59005 daylight**
combined **sunlight** (07 59003) and **skylight** (07 59004)
- 07 59006 solar altitude**
angular between a line passing through the centre of the solar disc and a horizontal plane in the earth's surface
- 07 59007 solar azimuth**
angle between a line passing through the centre of the solar disc and a vertical north:south plane on the earth's surface
- NOTE Measured from the south in the northern hemisphere, and from the north in the southern hemisphere.*

- 07 59008 solar declination**
angular distance of the sun from the equatorial plane of the earth on a meridian passing through the sun
- 07 59009 useful sun day**
period of the day during which the **solar altitude** (07 59006) exceeds a stated minimum
- 07 59010 acceptance angle**
horizontal or vertical angle at a reference point within which **sunlight** (07 59003) can be accepted
*NOTE For example, the angle at the mid-point of a **window** (01) on the plane of the visible face of the **window** (01) **wall** (01) as circumscribed by the surrounding **reveals** (01) and local projections.*
- 07 59011 daylight factor**
ratio of **illuminance** (01) at a point on a given plane due to light received from a sky of known or assumed **luminance** (01) distribution, to **illuminance** (01) on a horizontal plane due to an unobstructed hemisphere of this sky
*NOTE Contributions of **sunlight** (07 59003) are excluded.*
- 07 59012 average daylight factor**
ratio of total **daylight** (07 59005) flux incident on a reference area to total area of reference area expressed as percentage of outdoor **illuminance** (01) on a horizontal plane due to an unobstructed hemisphere of sky of assumed or known **luminance** (01) distribution
- 07 59013 daylight contour**
line drawn through all those points in a reference plane that have the same **daylight factor** (07 59011)
- 07 59014 sky component**
ratio of that part of **illuminance** (01) at a point on a given plane that is received directly from a sky of assumed or known **luminance** (01) distribution, to **illuminance** (01) on a horizontal plane due to an unobstructed hemisphere of this sky
*NOTE Contributions of **sunlight** (07 59003) were excluded.*
- 07 59015 sky factor**
ratio of the parts of **illuminance** (01) at a point on a given plane that would be received directly through unglazed **openings** (01) from a sky of uniform **luminance** (01), to **illuminance** (01) on a horizontal plane due to an unobstructed hemisphere of this sky
*NOTE Contributions of **sunlight** (07 59003) were excluded.*
- 07 59016 absorptance**
ratio of absorbed radiant or **luminous flux** (01) to incident flux

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London
W4 4AL