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Incorporating
Corrigendum No. 1

BRITISH STANDARD

Building and civil engineering – Vocabulary –

Part 9: Work with concrete and plaster

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Amendments issued since publication

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Contents

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iii, a blank page, pages 1 to 48, an inside back cover and a back cover.

Foreword

Publishing information

This part of BS 6100 is published by BSI and came into effect on 31 August 2007. 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 6100-6.1:1984, BS 6100-6.2:1986, BS 6100-6.3:1984, BS 6100-6.4:1986, BS 6100-6.5:1987, BS 6100-6.6.1:1992 and BS 6100-6.6.2:1990, which are withdrawn.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.

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.

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1 Scope

This part of BS 6100 defines terms for work with concrete and plaster, including binders, additives, aggregates, concretes and mortars, fibrous and gypsum plasters, and formwork.

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 gives 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, as follows.

   1) Works.

   2) Parts.

   3) Materials.

   4) Activities.

   5) Processes.

   6) Plant, equipment and documentation.

   7) Properties.

   8) Spaces.

   9) Miscellaneous.

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 Binders, hydraulic materials and additives (09 1xxxx)

3.1 Materials (09 13xxx)

09 13002 latent hydraulic material
hydraulic material that acts by the addition of an activator

NOTE ***Lime*** *(BS EN 459-1) and water is a common activator.*

09 13003 blended hydraulic cement
mixture of **cement** (BS EN 206-1) and **latent hydraulic material** (09 13002)

09 13004 clinker
solid **material** (01) formed in high temperature processes by total or partial fusion

09 13006 Portland cement
cement (BS EN 206-1) based on ground **Portland cement clinker** (09 13008)

09 13007 calcium aluminate cement
cement (BS EN 206-1) obtained by grinding **calcium aluminate cement clinker** (09 13009)

09 13008 Portland cement clinker
clinker (09 13004) formed from a predetermined homogeneous mixture of **materials** (01) comprising **lime** (BS EN 459-1), silica, a small proportion of alumina and generally iron oxide

09 13009 calcium aluminate cement clinker
clinker (09 13004) formed from a predetermined mixture of **materials** (01) consisting principally of alumina and oxides, hydroxides or carbonates of calcium with smaller proportions of iron oxides, silica and other oxides

09 13010 low heat Portland cement
Portland cement (09 13006) with a heat of hydration substantially less than that of normal **Portland cement** (09 13006)

09 13011 sulfate-resisting Portland cement
Portland cement (09 13006) with a low tricalcium aluminate content that produces an end product having higher resistance to attack by sulfates than one produced from ordinary **Portland cement** (09 13006)

09 13012 blastfurnace slag
clinker (09 13004) produced in a molten state simultaneously with pig iron in the reduction of iron ore in a blastfurnace, and composed chiefly of calcium, magnesium and alumino-silicates

NOTE The character of the solid is determined by the way in which the molten material is cooled.

09 13013 granulated blastfurnace slag
blastfurnace slag (09 13012) that is rapidly cooled to form granules of a shattered vitreous structure

09 13014 pozzolana
latent hydraulic material (09 13002) that contains siliceous or siliceous and aluminous **materials** (01)

09 13015 pulverized-fuel ash
solid **material** (01) extracted by electrostatic and mechanical means from **flue** (01) gases of furnaces fired with pulverized **bituminous coal** (BS 1846-1)

09 13017 Portland-slag cement
blended hydraulic cement (09 13003) formed by mixing ground **granulated blastfurnace slag** (09 13013) and **Portland cement** (09 13006)

09 13018 blastfurnace cement
blended hydraulic cement (09 13003) with a ground **granulated blastfurnace slag** (09 13013) content greater than that of **Portland-slag cement** (09 13017) and a lower proportion of **Portland cement** (09 13006)

09 13019 supersulfated cement
blastfurnace cement (09 13018) with a specified proportion of sulfate

09 13020 Portland pozzolana cement
blended hydraulic cement (09 13003) comprising a mixture of **Portland cement** (09 13006) and **pozzolana** (09 13014)

09 13021 pozzolana cement
blended hydraulic cement (09 13003) comprising a homogeneous mixture of **Portland cement** (09 13006) and **pozzolana** (09 13014) that has passed a **test** (11 14010) of **pozzolanicity** (09 17001)

09 13022 composite cement
blended hydraulic cement (09 13003) comprising up to two thirds **Portland cement** (09 13006), together with **blastfurnace slag** (09 13012), **pozzolana** (09 13014) and/or fly ash

09 13023 Portland composite cement
blended hydraulic cement (09 13003) comprising predominantly **Portland cement** (09 13006) with two or more other main constituents

09 13024 Portland-limestone cement
blended hydraulic cement (09 13003) based on **Portland cement** (09 13006) and **limestone** (BS EN 12670)

09 13025 Portland-burnt shale cement
blended hydraulic cement (09 13003) based on **Portland cement** (09 13006) and burnt oil shale

09 13026 Portland-fly ash cement
blended hydraulic cement (09 13003) based on **Portland cement** (09 13006) and fly ash

09 13027 Portland-silica fume cement
blended hydraulic cement (09 13003) produced by **Portland cement** (09 13006) with silica fume

09 13028 calcium sulfate hemihydrate
calcium sulfate in its partially hydrated phase ($CaSO_4.1/2H_2O$)

09 13030 flocculating admixture
admixture (01) that greatly increases cohesion by increasing the attractive forces between **binder** (01) particles

09 13032 pumping aid
admixture (01) that reduces line **friction** (BS EN ISO 772) and/or increases the cohesion of the mix to prevent separation of the constituents

09 13033 thickening admixture
admixture (01) that increases the **viscosity** (11 27038) of the liquid phase to reduce the tendency for separation of constituents

09 13034 workability retention aid
admixture (01) that prolongs the period during which **workability** (11 27140) remains close to its initial level

09 13035 air detraining admixture
admixture (01) that reduces **entrained air** (BS EN 206-1) to low levels

09 13037 foam forming admixture
admixture (01) that allows a high level of air to be incorporated during mixing

09 13038 gas forming admixture
admixture (01) used in the formation of aerated concrete

09 13039 strength accelerating admixture
admixture (01) that increases the rate at which early **strength** (11 27007) is developed

09 13040 antifreezing admixture
admixture (01) that lowers the freezing point of the liquid phase

09 13041 bonding admixture
admixture (01) that improves **bond strength** (09 37006)

09 13042 colouring admixture
admixture (01) that changes the **colour** (11 27079) of the mixture

09 13043 corrosion inhibiting admixture
admixture (01) that reduces the risk of corrosion of embedded metal

09 13044 expansion producing admixture
admixture (01) that reacts to produce a controlled expansion in the mixture

09 13045 air entraining admixture
admixture (01) used in formation of air entrained concrete

3.2 Properties (09 17xxx)

09 17001 pozzolanicity
ability of a **material** (01) to combine with calcium hydroxide at ambient temperatures and in the presence of water in order to produce compounds having the **properties** (01) of a **cement** (BS EN 206-1)

09 17002 consistence
degree of firmness with which the particles of a material cohere

4 Aggregate (09 2xxxx)

4.1 Materials (09 23xxx)

09 23001 blended aggregate
blend of **natural aggregates** (BS EN 13055-1), **manufactured aggregates** (BS EN 13055-1), **by-product aggregates** (BS EN 13055-1), or a combination of these types of **aggregate** (01)

09 23002 graded aggregate
aggregate (01) that has a specified range of proportions by **mass** (11 27001) of a number of different **aggregate sizes** (BS EN 12620)

09 23003 single-sized aggregate
aggregate (01) that is deemed to be of the same **aggregate size** (BS EN 12620); the major proportion of the particles pass the same sieve and do not pass the next sieve in the series

09 23004 continuously-graded aggregate
graded aggregate (09 23002) in which all **aggregate sizes** (BS EN 12620) within a specified range are represented

09 23005 gap-graded aggregate
graded aggregate (09 23002) in which one or more intermediate **aggregate sizes** (BS EN 12620) are not represented

09 23006 rounded aggregate
coarse aggregate (BS EN 12620) that consists of particles with rounded surfaces

09 23007 irregular aggregate
coarse aggregate (BS EN 12620) that consists of particles of irregular **shape** (11 27004) and round edges

09 23008 angular aggregate
coarse aggregate (BS EN 12620) that consists of particles with sharp edges

09 23009 cubical aggregate
coarse aggregate (BS EN 12620) that consists of particles with three substantially equal **dimensions** (01)

09 23010 flaky aggregate
coarse aggregate (BS EN 12620) consisting of particles with a **thickness** (01) that is small in relation to the other two **dimensions** (01)

09 23011 elongated aggregate
coarse aggregate (BS EN 12620) consisting of particles that have one **dimension** (01) significantly larger than the other two

09 23012 crushed rock
coarse aggregate (BS EN 12620) produced by crushing **rock** (03 23027)

09 23013 uncrushed gravel
coarse aggregate (BS EN 12620) obtained from **gravel** (03 23029) without crushing

09 23014 crushed gravel
coarse aggregate (BS EN 12620) produced from **gravel** (03 23029) by processes that include crushing

09 23015 crusher-run aggregate
crushed rock (09 23012) that has not been subjected to any **screening** (01) after the initial mechanical crushing

09 23016 blastfurnace slag aggregate
aggregate (01) from **blastfurnace slag** (09 13012)

09 23017 cenosphere
light-weight aggregate (BS EN 206-1) in the form of hollow glass spheres

*NOTE Found in some **pulverized-fuel ashes** (09 13015).*

09 23018 expanded aggregate
light-weight aggregate (BS EN 206-1) produced by heating materials, causing them to entrap air and expand; the initial volume is exceeded significantly by the final volume

09 23019 pelletized expanded blastfurnace slag
expanded aggregate (09 23018) produced in pellet form from **blastfurnace slag** (09 13012)

09 23020 expanded clay aggregate
expanded aggregate (09 23018) produced from **clay** (BS EN 12670)

09 23021 expanded plastics particle aggregate
expanded aggregate (09 23018) that consists of plastics particles

09 23022 expanded plastics bead aggregate
expanded plastics particle aggregate (09 23021) in bead form

09 23023 exfoliated vermiculite aggregate
expanded aggregate (09 23018) produced from vermiculite

09 23024 foamed aggregate
expanded aggregate (09 23018) produced by entraining gases into the heat-treated **material** (01)

09 23025 furnace bottom ash
ash (05 39007**)** from the bottom of a furnace used as a constituent of **aggregate** (01)

09 23026 sintered aggregate
light-weight aggregate (BS EN 206-1) produced by heating metal powders or powdery ores causing them to cohere

09 23027 wood particle aggregate
aggregate (01) from treated and graded **wood** (01)
chips (BS EN 844-12)

4.2 Activities (09 24xxx)

09 24001 field settling test
test (11 14010) to determine the approximate percentage of **silt** (03 23028) in an **aggregate** (01) **sample** (01)

09 24002 decantation test
silt test
test (11 14010) to determine the amount of **silt** (03 23028) in an **aggregate** (01), by washing the **aggregate** (01) over an appropriate sieve

09 24003 colour test
approximate method of indicating the amount of organic compounds present in **fine aggregate** (01)

4.3 Plant, equipment and documentation (09 26xxx)

09 26001 riffle box
box with partitions for division of a bulk **sample** (01)

09 26002 rotary screen
revolving cylinder of perforated metal, that has its axis inclined at a slight angle to the horizontal, used for **screening** (01) **aggregate** (01)

4.4 Properties (09 27xxx)

09 27001 fineness modulus
sum of the accumulative percentage of a **sample** (01) of **aggregate** (01) retained on each sieve of a particular series of sieves, the total being divided by 100

09 27002 elongation index
number representing the proportion of the particles in a **sample** (01) of **coarse aggregate** (BS EN 12620) that have one **dimension** (01) significantly larger than the other two

09 27003 flakiness index
number representing the proportion of the particles of **coarse aggregate** (BS EN 12620) with a **thickness** (01) that is small in relation to the other two **dimensions** (01)

09 27004 10% fines value
measure (01) of resistance of an **aggregate** (01) to crushing determined by identifying the **force** (01) required to produce 10% of **fine aggregate** (01)

09 27005 aggregate impact value
measure (01) of resistance of an **aggregate** (01) to sudden shock or impact

09 27006 aggregate soundness value
measure (01) of the **durability** (01) of an **aggregate** (01) in an aggressive **environment** (01) based on laboratory **tests** (11 14010)

09 27007 aggregate shrinkage
amount by which a saturated standard **concrete** (01) prism made with an **aggregate** (01), shrinks on oven drying, expressed as a percentage of the dry **length** (01)

09 27008 pessimum moisture content
moisture content (11 27033) of a **soil** (01) or granular **material** (01) that when **compacted** (04 24008) under specified conditions will produce the smallest **dry density** (BS EN ISO 12570)

09 27009 water absorption value
ratio of the **mass** (11 27001) of water held within the particles of an **aggregate** (01) to the **mass** (11 27001) of dry **aggregate** (01), expressed as a percentage

09 27010 saturated surface-dry
characteristic (01) of **aggregate** (01) that has **voids** (03 28003) in the particles filled with water and surfaces of particles dry to the touch

09 27011 aggregate saturation
characteristic (01) of **aggregate** (01) that has all the air in the **voids** (03 28003) within and between particles displaced by water

09 27012 absorbed moisture
moisture absorbed within the particles of a granular **material** (01)

09 27013 total moisture
sum of **free moisture** (BS 4261) and **absorbed moisture** (09 27012)

09 27014 shell content
proportion of shells contained in an **aggregate** (01)

5 Concrete (09 3xxxx)

5.1 Parts (09 32xxx)

09 32001 cellular raft
raft **foundation** (01) in which the intersecting **beams** (01) or **walls** (01) form compartments

09 32002 column strip
portion of a **flat slab** (01) **panel** (03 12004), of total **width** (01) usually half the **panel** (03 12004) **width** (01), that extends over and between the **column heads** (03 12038)

09 32003 drop
extra thick part of a **concrete slab** (01) in the region of a **column** (01)

09 32004 middle strip
portion of **flat slab** (01), usually half the **panel** (03 12004) **width** (01) wide, located symmetrically about the centre line of the **panel** (03 12004) and extending throughout the **length** (01) of the **panel** (03 12004) in the direction for which bending effects are being considered

09 32005 L-beam
concrete (01) **beam** (01) with a cross-section in the form of an L or inverted L

09 32006 haunch
increase in **depth** (01) of a **beam** (01) or **concrete slab** (01) near the support, to increase its **strength** (11 27007)

09 32007 dummy joint
purpose-made partial **joint** (01) for **crack control** (09 34018)

cf. **dummy joint** (09 32008)

09 32008 dummy joint
surface feature for visual purposes to give the appearance of a **joint** (01)

cf. **dummy joint** (09 32007)

09 32009 rendering substrate
structure (01) to which the first **coat** (01) of **render** (01) is applied

09 32010 water stop
jointing section (01), usually a narrow **elastomer** (BS EN 923), that is cast into **concrete** (01) on both sides of a **joint** (01) to prevent water passing through the **joint** (01)

09 32011 shrinkage crack
crack caused by **restrained shrinkage** (09 35003)

09 32012 floated finish
surface of **fresh concrete** (BS EN 206-1) **finished** (01) with a **float** (01)

09 32013 power floated finish
surface of **concrete** (01) **finished** (01) with a **power float** (09 36123); the **concrete** (01) is allowed to reach **initial set** (09 35020) before work starts

09 32014 power trowelled finish
surface of **concrete** (01) **finished** (01) with a **power trowel** (09 36122)

09 32015 rubbed finish
finish (01) to concrete produced by removing surface irregularities with an abrasive

09 32016 board marked finish
finish (01) to **concrete** (01) showing the markings of the boards of the **formwork** (01)

09 32017 random board finish
board marked finish (09 32016) based on boards of random **width** (01) or **length** (01), or both

09 32018 rough board finish
board marked finish (09 32016) based on **rough** (11 27053) boards

09 32019 exposed aggregate finish
finish (01) to **concrete** (01) achieved by exposing the **coarse aggregate** (BS EN 12620)

09 32020 Tyrolean finish
machine-applied rough **finish** (01) on **rendering** (BS EN 13914-1)

09 32021 dry dash
pebble-dash
finish (01) in which selected **aggregate** (01) is thrown onto a freshly-applied **rendering** (BS EN 13914-1) and left exposed

09 32022 bell cast
shaped lower edge of a **rendering** (BS EN 13914-1) to shed **rain water** (BS ISO 6107-1)

09 32023 concrete fin
undesirable projection from the face of **concrete** (01) caused by **cement paste** (09 33042) escaping into a gap in **formwork** (01) at a **joint** (01)

5.2 Materials (09 33xxx)

09 33001 durable concrete
concrete (01) that will fulfil its purpose, in the **environment** (01) for which it is designed, for a required **service life** (01), when subject to planned **maintenance** (01)

09 33002 fair faced concrete
concrete (01) that possesses a surface substantially free of physical **defects** (01) and wide variations in **colour** (11 27079)

09 33003 flowing concrete
high consistence concrete (09 33005) that flows into position

09 33004 green concrete
hardened concrete (BS EN 206-1) that has gained only a small proportion of its final **strength** (11 27007)

09 33005 high consistence concrete
fresh concrete (BS EN 206-1) that can be placed with little compactive effort

09 33006 insulating concrete
light-weight concrete (BS EN 206-1) that has an air **dry density** (BS EN ISO 12570) not exceeding 2 000 kg/m^3

09 33007 no slump concrete
fresh concrete (BS EN 206-1) that has a concrete slump value of zero

09 33008 plasticized concrete
fresh concrete (BS EN 206-1) that contains an **admixture** (01) that increases **consistence** (09 17002) for a given water/**binder** (01) ratio or maintains **consistence** (09 17002) at a lower water/binder ratio

09 33009 pumpable concrete
fresh concrete (BS EN 206-1) that can be transported through a **pipeline** (01) using a **pump** (01)

09 33010 refractory concrete
concrete (01) that can withstand high temperatures; it is made with **calcium aluminate cement** (09 13007) and refractory **aggregate** (01)

09 33011 retarded concrete
fresh concrete (BS EN 206-1) that changes to a hardened state more slowly as a result of the use of a **set retarding admixture** (BS EN 934-2)

09 33012 stiffened concrete
concrete (01) that has lost its **consistence** (09 17002) to the extent that it is no longer readily mouldable

09 33013 structural concrete
concrete (01) that can carry imposed **loads** (01)

09 33014 water resisting concrete
concrete (01) that has high resistance to water penetration

09 33015 aerated concrete
light-weight concrete (BS EN 206-1) that contains uniformly distributed **voids** (03 28003) preformed in a foam by means of an **admixture** (01)

09 33016 air entrained concrete
concrete (01) in which an **admixture** (01) is used to incorporate a quantity of small, uniformly distributed, air bubbles during mixing, and these remain after hardening

09 33017 colloidal concrete
concrete (01) in which the **aggregate** (01) is bound by **colloidal grout** (09 33044)

09 33018 fibre reinforced concrete
concrete (01) strengthened with fibres

09 33019 gap-graded concrete
concrete (01) made with **gap-graded aggregate** (09 23005)

09 33020 gas concrete
foamed concrete
aerated concrete (09 33015) made using a **gas forming admixture** (09 13038)

09 33021 lean concrete
concrete (01) made with a small amount of **cement** (BS EN 206-1)

09 33022 no fines concrete
concrete (01) made with little or no **fine aggregate** (01)

09 33023 polymer impregnated concrete
hardened concrete (BS EN 206-1) that is impregnated with polymer

09 33024 autoclaved concrete
concrete (01) that is **cured** (09 34011) more quickly to increase its early **strength** (11 27007) in a high pressure steam chamber

09 33025 dry packed concrete
concrete (01) of low water content; it is **compacted** (03 24008) by ramming

09 33026 extruded concrete
concrete (01) that has a finished cross-section formed by extrusion

09 33027 grouted aggregate concrete
concrete (01) made by injecting **grout** (01) into **voids** (03 28003) around **coarse aggregate** (BS EN 12620)

09 33028 gunite
sprayed concrete (09 33035) that has an **aggregate size** (BS EN 12620) of less than 10 mm

09 33029 mass concrete
concrete (01) that is without **reinforcement** (01) and is usually of large bulk

09 33030 monolithic concrete
concrete (01) that is of large bulk, and has structural continuity

09 33031 pressed concrete
precast concrete (01) that is pressed before it hardens, expelling some of the mixing water

09 33032 reinforced concrete
concrete (01) in which **reinforcement** (01) is embedded in such a manner that the two **materials** (01) act together in resisting **stress** (01) in the **concrete** (01)

09 33033 rolled concrete
concrete (01) that is **compacted** (03 24008) by roller

09 33034 shotcrete
sprayed concrete (09 33035) that has an **aggregate size** (BS EN 12620) of 10 mm or more

09 33035 sprayed concrete
flash coat
fresh concrete (BS EN 206-1) that is placed by high velocity projection from a nozzle

09 33036 spun concrete
concrete (01) that is **compacted** (03 24008) by pressure against a rotating form using centrifugal power

09 33037 steam-cured concrete
concrete (01) that is **cured** (09 34011) more quickly to increase its early **strength** (11 27007) using steam at atmospheric pressure

09 33038 vacuum dewatered concrete
fresh concrete (BS EN 206-1) from which water is extracted using a vacuum process

09 33039 underwater concrete
fresh concrete (BS EN 206-1) that is suitable for placement under water

09 33040 reinforcing bar
steel **bar** (01) that forms an element of **reinforcement** (01)

NOTE Usually of circular cross-section.

09 33041 dry mix
concrete mix (01) that has a very low **water content** (09 37014)

09 33042 cement paste
mixture of **cement** (BS EN 206-1) and water

09 33043 neat cement grout
grout (01) that consists of **cement paste** (09 33042)

09 33044 colloidal grout
neat cement grout (09 33043) mixed in such a way as to reduce subsequent separation of the **binder** (01)

09 33046 fibre reinforced cement
binder (01) paste reinforced by dispersed or organized fibres, that hardens

09 33047 plum
large **stone** (01) embedded in **concrete** (01) during **placing** (09 34019)

09 33048 butter coat
soft final **rendering** (BS EN 13914-1) to which **dry dash** (09 32021) is applied

09 33049 spatterdash
mix of **cement** (BS EN 206-1), coarse **sand** (BS EN 12670) and water thrown on, as an initial **coat** (01), usually to provide a **key** (01) for a **rendering** (BS EN 13914-1)

09 33050 concrete casing
protective **concrete** (01) covering to structural steel

09 33051 curing compound
material (01) applied to the surface of green **concrete** (01) to reduce evaporation

09 33053 cast stone
reconstructed stone
precast concrete (01) in which the finished surface resembles that of **natural stone** (01)

09 33054 edge panel
panel (03 12004) that has at least one **free edge** (09 33059)

09 33055 hearting concrete
concrete (01) that forms the central **core** (01) of a large **structure** (01) and is of lower quality than that on the faces

*NOTE A **dam** (01) is an example of such a large **structure** (01).*

09 33056 facing concrete
concrete (01) of higher **quality** (01) than **hearting concrete** (09 33055), **placed** (09 34019) outside it and poured so as to be **monolithic** (03 17002) with it

09 33057 integral facing
concrete (01) or **mortar** (01) facing of a different **quality** (01) from the main body of **concrete** (01), cast so as to be **monolithic** (03 17002) with it

09 33058 backing concrete
concrete (01) that gives support to an **integral facing** (09 33057)

09 33059 free edge
edge of an area of **concrete** (01) that is not in contact with the edge of another area of **concrete** (01)

09 33060 nailable concrete
concrete (01) into which **nails** (01) may be driven using a **hand tool** (12 16001)

09 33061 harsh mix concrete
fresh concrete (BS EN 206-1) that is difficult to **place** (09 34019) and work

09 33062 aggregate bridge
interlock of particles of **coarse aggregate** (BS EN 12620) at **formwork** (01) faces sometimes causing isolated **pits** (06 87002) in the **concrete** (01) surface

09 33063 water of hydration
water combined chemically with a **cement** (BS EN 206-1)

09 33064 main reinforcement
reinforcement (01) that resists the main structural **forces** (01)

09 33065 secondary reinforcement
reinforcement (01) that distributes main structural **forces** (01) or resists other **forces** (01)

*NOTE Examples of other **forces** (01) are those produced by **resistance shrinkage** (09 35003) and thermal **effects of actions** (ISO 8930).*

09 33066 compression reinforcement
reinforcement (01) that provides resistance to **compression** (01) in addition to that provided by the **concrete** (01)

09 33067 helical reinforcement
reinforcement (01) in the form of a helix

09 33068 transverse reinforcement
helical reinforcement (09 33067) or **link bar** (09 33084) for a **column** (01) or **beam** (01), or **secondary reinforcement** (09 33065) at right angles to the **main reinforcement** (09 33064)

09 33069 shear reinforcement
web reinforcement
reinforcement (01) that resists **shear** (01)

09 33070 two-way reinforcement
reinforcement (01) for a **concrete slab** (01) consisting of bands or **reinforcing bars** (09 33040) at right angles to each other

09 33071 cage reinforcement
rigid three-dimensional **assembly** (01) of **reinforcing bars** (09 33040)

*NOTE Typically used for a **beam** (01) or **column** (01).*

09 33072 reinforcement chair
device to support the top layer of **reinforcement** (01) for a **concrete slab** (01)

09 33073 reinforcement spacer
device fitted between **reinforcement** (01) and **formwork** (01) to ensure that the **concrete cover** (01) is correct

09 33074 reinforcement lap
overlap between two parallel and adjacent **reinforcing bars** (09 33040) by which the **force** (01) in one **reinforcing bar** (09 33040) is transferred to the other

09 33075 prestressing system
assembly (01) by which the **force** (01) in a **prestressing tendon** (01) is transmitted to the **concrete** (01)

09 33076 end block
end of a **prestressed concrete** (01) **structural member** (01) reinforced to resist local **stresses** (01) created by the anchorages

09 33077 bar hook
end of a **reinforcing bar** (09 33040) bent through 180 degrees to form an anchorage

09 33078 deformed bar
reinforcing bar (09 33040) that has recurrent **deformations** (01) to increase **bond strength** (09 37006)

09 33079 cold worked bar
deformed bar (09 33078) that is cold worked to give it the **properties** (01) required

09 33080 cold twisted bar
reinforcing bar (09 33040) that is twisted while cold to increase its **strength** (11 27007) and improve **bond strength** (09 37006)

09 33081 hot rolled bar
deformed bar (09 33078) produced by a hot rolling process

09 33082 bent-up bar
tensile **reinforcing bar** (09 33040) inclined upwards through a **depth** (01) of **beam** (01) equal to the **lever arm** (03 17013), to provide **shear reinforcement** (09 33069)

09 33083 distribution bar
reinforcing bar (09 33040) that spreads a concentrated **load** (01) on a **concrete slab** (01) or **wall** (01) or that acts as **secondary reinforcement** (09 33065)

*NOTE Usually at right angles to the **main reinforcement** (09 33064).*

09 33084 link bar
stirrup
supplementary **reinforcing bar** (09 33040) that surrounds and contains the **main reinforcement** (09 33064) of a **concrete** (01) **beam** (01) or **column** (01) and provides **shear reinforcement** (09 33069)

09 33085 hoop bar
link bar (09 33084) in circular **concrete** (01) **columns** (01) and **piles** (01) in the form of a ring

09 33086 longitudinal rib
uniform continuous protrusion parallel to the axis of a **reinforcing bar** (09 33040)

*NOTE In the case of a **cold twisted bar** (09 33080) this refers to the axis before twisting.*

09 33087 transverse rib
protrusion on the surface of a **reinforcing bar** (09 33040) other than a **longitudinal rib** (09 33086)

09 33088 starter bar
stub bar
reinforcing bar (09 33040) that partially projects from **concrete** (01) to provide continuity with the **reinforcement** (01) of subsequently placed **concrete** (01)

09 33089 pair of bars
two **reinforcing bars** (09 33040) in contact longitudinally and treated in design as one **reinforcing bar** (09 33040) of equivalent cross-sectional area

09 33090 bundle of bars
three or four **reinforcing bars** (09 33040) in contact longitudinally and treated in design as one **reinforcing bar** (09 33040) of equivalent cross-sectional area

09 33091 dowel bar
short metal **bar** (01) cast into **concrete** (01) with part of its **length** (01) projecting as a **fastening** (01) or as a means of transferring **forces** (01) acting in the plane of a **joint** (01) from one **component** (01) to another

09 33092 dowel sleeve
sleeve fitted over a **dowel bar** (09 33091) on one side of a **joint** (01) to allow relative movement in the direction of the **dowel bar** (09 33091)

09 33093 bar tendon
bar (01) used as a **prestressing tendon** (01)

09 33095 fabric reinforcement
mesh reinforcement
prefabricated mesh of welded **reinforcing bars** (09 33040) or wires

09 33096 designated fabric
fabric reinforcement (09 33095) that has an arrangement defined by **fabric reference** (09 36137)

09 33097 scheduled fabric
fabric reinforcement (09 33095) that has a regular wire and mesh arrangement defined by specifying the **size** (01) and spacing in each direction

09 33098 detailed fabric
fabric reinforcement (09 33095) that has its mesh arrangement defined by dimensioned **drawing** (01)

09 33099 twisted steel fabric
factory-made **fabric reinforcement** (09 33095) made with **cold twisted bars** (09 33080)

09 33100 cold drawn wire
wire that is cold-drawn from steel to increase its **tensile strength** (01)

09 33101 hard drawn wire
wire that has been drawn through a die at normal temperature

09 33102 deformed wire
wire with surface **characteristics** (01) to increase **bond strength** (09 37006)

09 33103 indented wire
deformed wire (09 33102) that has indentations

09 33104 binding wire
wire used for tying **reinforcing bars** (09 33040) when **fixing** (01) **reinforcement** (01)

NOTE Usually made of soft wire.

09 33105 prestressing strand
group of **cold drawn wires** (09 33100) spun together helically; used in **prestressed concrete** (01)

09 33106 crimped wire
wire that is deformed during manufacture to give it the form of a wave along its **length** (01); used to **prestress** (03 14002)

5.3 Activities (09 34xxx)

09 34001 blow out
remove unwanted **material** (01) from inside **formwork** (01) with compressed air

09 34002 gang mould
arrange a series of **moulds** (09 36027) on a single base so that a number of identical precast **concrete** (01) units may be formed at the same time

09 34005 works cube test
test (11 14010) of **cube strength** (09 37002) using **samples** (01) taken during progress of the **construction work** (01)

09 34007 compressive strength test
test (11 14010) that determines **compressive strength** (01)

09 34008 cylinder compressive test
test (11 14010) that determines **cylinder strength** (09 37029)

09 34009 slump test
test (11 14010) that determines concrete slump

09 34010 flow test
test (11 14010) to determine **concrete** (01) **consistence** (09 17002)

09 34011 cure concrete
ensure that **concrete** (01) hardens by preventing excessive evaporation of water and extremes of temperature

09 34012 steam cure
accelerated hardening of **concrete** (01) using steam

09 34013 mix control
control of the quantities of the constituent **materials** (01) of a mixture to obtain uniformity of **composition** (11 27003) or **performance** (01)

09 34014 scabble concrete
remove the surface layer of **hardened concrete** (BS EN 206-1) thus exposing the **aggregate** (01)

09 34015 retemper
remix **concrete** (01) or **mortar** (01) to restore **consistence** (09 17002)

NOTE Usually involves the addition of water.

09 34016 alternate bay construction
method of **construction** (01) in which alternate **concrete bays** (09 38002) are cast and allowed to harden before intermediate **concrete bays** (09 38002) are cast

09 34017 cementation process
process of injecting **grout** (01) under pressure into **ground** (01) to improve its **properties** (01)

09 34018 crack control
ensure that any cracks in **concrete** (01) occur in predetermined positions or are of controlled **width** (01)

09 34019 place concrete
put **fresh concrete** (BS EN 206-1) into its permanent position or into a **mould** (09 36027)

09 34020 reprop
replace **formwork** (01) supports after **striking** (01) to avoid overstressing **green concrete** (09 33004)

09 34021 reprop
place extra **posts** (01) under a **soffit** (01) to allow a **concrete** (01) **beam** (01) or **concrete slab** (01) to carry **loads** (01) in excess of design **loads** (01)

09 34022 autogenous shrinkage
shrinkage caused by the chemical reaction between cement and water

5.4 Processes (09 35xxx)

09 35001 segregation
separation of the constituents of **fresh concrete** (BS EN 206-1), usually during transport, **placing** (09 34019) or **compacting** (03 24008)

09 35002 bleed
lose or emit water from **fresh concrete** (BS EN 206-1)

09 35003 restrained shrinkage
contraction of **hardened concrete** (BS EN 206-1) or **mortar** (01) caused by evaporation of water from its **mass** (11 27001)

09 35004 moisture movement
contraction or expansion of **concrete** (01) or **mortar** (01) caused by loss or gain of moisture

09 35005 carbonation
chemical reaction that occurs between the calcium hydroxide or **cement paste** (09 33042) in **concrete** (01) and atmospheric carbon dioxide

09 35006 sulfate attack
deterioration of **concrete** (01) caused by sulfate salts in solution

09 35007 alkali-aggregate reaction
reaction between alkalis, usually from **binder** (01), and certain **aggregates** (01)

09 35008 alkali-carbonate reaction
alkali-aggregate reaction (09 35007) in which the reactive **aggregate** (01) is a form of **dolomitic limestone** (BS EN 12670)

09 35009 alkali-silica reaction
alkali-aggregate reaction (09 35007) from a reactive form of **silica** (BS EN 12670) in the **aggregate** (01)

09 35010 alkali-silicate reaction
alkali-aggregate reaction (09 35007) from a reactive phyllosilicate in the **aggregate** (01)

09 35011 force transfer
process of passing the **forces** (01) in a **prestressing tendon** (01) to **concrete** (01)

09 35012 hack concrete
form discrete pits in the surface of **hardened concrete** (BS EN 206-1) using a point **tool** (01)

09 35013 concrete plucking
removal of a **concrete** (01) surface by adhesion to **formwork** (01) on **striking** (01)

09 35014 form scabbling
removal of the surface of **face contact material** (09 36075) due to its adhesion to **concrete** (01) on **striking** (01)

09 35015 set
process by which a **cement** (BS EN 206-1)/water mix hardens on hydration

09 35016 accelerated set
set (09 35015) that is speeded up

09 35017 retarded set
set (09 35015) that is slowed down

09 35018 flash set
set (09 35015) that occurs very quickly after mixing with water

09 35019 false set
premature **set** (09 35015) immediately after mixing that can be corrected

09 35020 initial set
set (09 35015) that is a reflection of an ability to carry a small **load** (01)

5.5 Plant, equipment and documentation (09 36xxx)

09 36001 inflatable formwork
formwork (01) that acquires the required **shape** (11 27004) by internal pressure and is deflated during **striking** (01)

09 36002 permanent formwork
formwork (01) that is left in place

09 36003 lost formwork
formwork (01) that cannot be removed easily and is therefore left in place

09 36004 travelling formwork
formwork (01) carried on wheels or rollers so that, after **striking** (01), it can be moved for re-use without dismantling

09 36005 vacuum formwork
formwork (01) that incorporates a lining through which a vacuum is applied to a face of **concrete** (01) to improve its **compaction** (03 24008)

09 36006 apartment formwork
room formwork
formwork (01) for casting a **concrete slab** (01) and its supporting **walls** (01) in one continuous operation

09 36007 cantilever formwork
formwork (01) that projects beyond, and is fixed to, either previously **hardened concrete** (BS EN 206-1) or temporary supports

09 36008 climbing formwork
formwork (01) for vertical or near vertical **structures** (01), in which each **concrete lift** (09 37026) is supported by the previous **concrete lift** (09 37026)

09 36009 dam formwork
climbing formwork (09 36008) for a **dam** (01)

09 36010 leapfrog formwork
set of **formwork** (01) that, after **striking** (01), is re-erected next to a previously erected set, usually above it

09 36011 column head formwork
formwork (01) at the top of a **column** (01) to enlarge or change its cross-section

09 36012 edge formwork
formwork (01) for the edge of a **concrete slab** (01)

09 36013 road formwork
edge **formwork** (09 36012) for a **road** (01) or other **concrete slab** (01) on the **ground** (01)

09 36014 square edge road formwork
road formwork (09 36013) in which the top surface of the **formwork** (01) is at a right angle to the vertical surface to give a square edge to the **concrete slab** (01)

09 36015 rail attached road formwork
road formwork (09 36013) that has an attached steel **rail** (04 22051) to carry and guide the wheels of a **concrete train** (09 36104)

09 36016 soffit formwork
formwork (01) for a **soffit** (01)

09 36017 quick strip formwork
soffit formwork (09 36016) that allows **striking** (01) of areas of **face contact material** (09 36075) without disturbing **soffit** (01) supports

09 36018 table formwork
soffit formwork (09 36016) for suspended **floors** (01) that is in the form of a table and is moved in one piece

09 36019 flying formwork
table formwork (09 36018), usually large, that is moved by **crane** (01) from one position to another

09 36020 collapsible formwork
formwork (01) that contains a mechanism to facilitate **striking** (01)

09 36021 telescopic formwork
formwork (01) that can be reduced in **size** (01) after **striking** (01), to pass through similar **formwork** (01) already in position

09 36022 slip formwork
formwork (01) that is moved during continuous **placing of concrete** (09 34019)

09 36023 core formwork
formwork (01) for the **core** (01) of a **building** (01)

cf. **core formwork** (09 36069)

09 36024 back formwork
formwork (01) for a surface that will be unseen in a finished **structure** (01), or for shaping the **blinding** (01) in an **excavation** (01)

09 36025 top formwork
formwork (01) for an upper surface

09 36026 tilt up formwork
formwork (01) for casting a unit horizontally that is subsequently rotated into a nearly vertical position for the **concrete lift** (09 37026)

09 36027 mould
preformed receptacle for fresh **concrete** (BS EN 206-1) or **plaster** (01) to give **shape** (11 27004) to the hardened **material** (01)

09 36028 trough mould
mould (09 36027) for creating an elongated recess in the underside of a **concrete slab** (01)

09 36029 waffle mould
mould (09 36027) for creating a square, or almost square, recess in a **concrete slab** (01)

09 36030 battery mould
one of a series of **moulds** (09 36027) that have common intermediate surfaces and are used to **gang mould** (09 34002)

09 36031 formwork lining
face contact material (09 36075) fixed to the inside face of **formwork** (01) to give a particular **finish** (01)

09 36032 formwork panel
prefabricated framed **face contact sheeting** (09 36076) intended for repeated use

09 36033 ganged formwork
assembly of **formwork panels** (09 36032) joined together for convenience in erecting and handling

09 36034 draw formwork
vertical **plate** (01) that separates two mixes of **fresh concrete** (BS EN 206-1), and is gradually withdrawn, during or at the conclusion of a **concrete lift** (09 37026), to allow the two mixes to bond together

09 36035 waler
formwork (01) **waling** (03 26016)

09 36036 strongback
long **structural member** (01) used in **formwork** (01) as a **waler** (09 36035) or **soldier** (03 26034)

09 36037 plumbing foot
device attached to the foot of a **soldier** (03 26034) to enable the **formwork** (01) for a **wall** (01) to be plumbed

09 36038 push pull prop
adjustable **formwork** (01) support that transmits tensile or compressive **loads** (01)

NOTE Usually telescopic.

09 36039 adjustable floor centre
beam (01) of adjustable **length** (01) that supports **soffit formwork** (09 36016)

NOTE Usually of sheet metal or lattice construction.

09 36040 access door
removable panel in **formwork** (01) that gives access for **inspection** (11 14002), or to **compact** (03 24008) or **place concrete** (09 34019)

09 36041 clean out trap
removable bottom section of **formwork** (01) for extracting rubbish

09 36042 beam box
assembled side and **soffit formwork** (09 36016) for a **beam** (01)

09 36043 beam clamp
beam cramp
device that holds constituents members of a **beam box** (09 36042) tightly together, resisting pressure from the **fresh concrete** (BS EN 206-1)

09 36044 column clamp
device that holds the sides of **formwork** (01) for a **column** (01), resisting pressure from the **fresh concrete** (BS EN 206-1)

09 36045 panel clamp
device for **fixing** (01) together two **formwork panels** (09 36032)

09 36046 folding wedges
wedges (06 32230), used in pairs and driven in opposite directions, that hold or force apart parallel **formwork** (01) members

09 36047 cover block
reinforcement spacer (09 33073) fixed between **reinforcement** (01) and the face of **formwork** (01) to ensure that the **concrete cover** (01) is correct

09 36048 stop end formwork
formwork (01) at a **construction joint** (11 42013) or **movement joint** (11 42004); usually fitted in the vertical plane

09 36049 formwork anchor screw
fastening (01), cast in **concrete** (01), to provide anchorage for subsequent **formwork** (01)

09 36050 seating cleat
device that is fitted to previously cast permanent work, to support the **formwork** (01) for the next **concrete lift** (09 37026)

09 36051 formwork tie
device in **formwork** (01) used in **tension** (03 15002) to resist the pressure from **fresh concrete** (BS EN 206-1)

09 36052 coil tie
formwork tie (09 36051) that has a central non-recoverable portion formed of two wire coils connected by **rods** (01)

09 36053 formwork hanger tie
formwork tie (09 36051) to suspend **soffit formwork** (09 36016)

09 36054 non-recoverable tie
cast-in tie
formwork tie (09 36051) part of which is left in place

09 36055 recoverable tie
formwork tie (09 36051) intended for reuse

09 36056 she bolt
bolt (01) portion of a **formwork tie** (09 36051) assembly that has a female thread to engage with a central **formwork tie** (09 36051) section

09 36057 pigtail tie
non-recoverable tie (09 36054) part of which is zig-zag in **shape** (11 27004) to create an anchorage

09 36058 single face tie
non-recoverable tie (09 36054) that provides an anchorage for **cantilever formwork** (09 36007)

09 36059 snap tie
non-recoverable tie (09 36054), the projecting end of which is broken off beneath the **concrete** (01) surface after use

09 36060 water bar tie
non-recoverable tie (09 36054) with an enlarged central section that is intended to reduce water leakage

09 36061 taper tie
recoverable tie (09 36055) tapered to facilitate recovery

09 36062 through tie
recoverable tie (09 36055) that passes through **concrete** (01) and is withdrawn during **striking** (01)

09 36063 tie sleeve
tube (01) that prevents **adhesion** (01) between **fresh concrete** (BS EN 206-1) and a **recoverable tie** (09 36055)

09 36064 waler plate
plate (01) that transfers **loads** (01) between a **formwork tie** (09 36051) and the **frame** (01) of the **formwork** (01)

09 36065 bolt box
formwork (01) around a **foundation bolt** (06 72084) that creates a **pocket** (09 38001) for lateral adjustment of the bolt before final grouting

09 36066 box out
section within **formwork** (01) that creates a **pocket** (09 38001) or aperture

09 36067 door former
box out (09 36066) for a **door** (01)

09 36068 window former
box out (09 36066) for a **window** (01)

09 36069 core formwork
device for forming a hole in a **concrete** (01) **component** (01)

cf. **core formwork** (09 36023)

09 36070 void formwork
void box
permanent formwork (09 36002) **component** (01) that creates a completely enclosed **void** (03 28003)

09 36071 drip former
material (01) fixed parallel to the edge of **soffit**
formwork (09 36016) that creates a **drip** (06 22164) groove

09 36072 grout check
grout strip
material (01) fixed to **formwork** (01) that creates a clean line at the edge of a **concrete** (01) pour

09 36073 rustication strip
material (01) fixed to **formwork** (01) that creates a visual break in a large plain area of **concrete** (01)

09 36074 kicker
small **concrete** (01) upstand, cast above **floor** (01) **level** (01) to position **wall** (01) or **column** (01) **formwork** (01) for the next **concrete lift** (09 37026)

09 36075 face contact material
formwork (01) **material** (01) that is in direct contact with the **concrete** (01) and establishes its **shape** (11 27004)

09 36076 face contact sheeting
face contact material (09 36075) in thin cross-sections of large rectangular surface area

09 36077 lap plate
small piece of **face contact material** (09 36075) that laps onto **concrete** (01) previously placed

09 36078 striking piece
narrow, often splayed, piece of **face contact material** (09 36075) used to facilitate **striking** (01)

09 36079 wrecking strip
striking piece (09 36078) that is intended to be destroyed

09 36080 mould oil
oil or emulsion **release agent** (01)

09 36081 concrete mixer
machine that combines the constituents to produce **concrete** (01)

09 36082 continuous mixer
concrete mixer (09 36081) that discharges its contents in a continuous **flow** (01)

09 36083 static mixer
concrete mixer (09 36081) that does not move; it is fed with **materials** (01) where it stands and the delivery is collected

*NOTE It has no wheels, **rails** (04 22051), or other means of transportation.*

09 36084 batch mixer
concrete mixer (09 36081) into which the **materials** (01) are fed and from which the mixed **concrete** (01) is discharged in discrete quantities

09 36085 drum type concrete mixer
batch mixer (09 36084), with a drum, fitted with a series of fixed blades, that rotates about a horizontal or inclined axis

09 36086 tilting drum mixer
drum type concrete mixer (09 36085) that discharges its contents by tilting the drum

09 36087 non-tilting drum mixer
drum type concrete mixer (09 36085) with a drum that rotates about a fixed axis and two openings

09 36088 split drum mixer
drum type concrete mixer (09 36085) with a drum that rotates about a horizontal axis; the two ends of the drum separate to discharge the contents

09 36089 reversing drum mixer
drum type concrete mixer (09 36085) with a drum that rotates about a horizontal axis; the direction of rotation is reversed to discharge the contents

09 36091 rotating pan mixer
concrete mixer (09 36081) with a shallow rotating drum and eccentrically placed paddles

09 36092 stationary pan mixer
concrete mixer (09 36081) with a stationary horizontal shallow drum and concentrically placed rotating paddles

09 36093 annular trough mixer
stationary pan mixer (09 36092) with paddles that rotate around a horizontal or inclined axis

09 36094 axial trough mixer
concrete mixer (09 36081) with a stationary shallow drum and one or more rotating paddles mounted on a horizontal or inclined shaft

09 36095 trailer mixer
concrete mixer (09 36081) fitted with **road** (01) wheels so that it can be towed by a motor vehicle

09 36096 gauge box
four-sided rigid container used to **measure** (01) quantities of **materials** (01) by volume

09 36097 grout pan
small machine for mixing **grout** (01)

09 36098 colloidal mixer
machine for combining the constituents of **colloidal grout** (09 33044)

09 36099 concrete skip
vessel for the transport and discharge of **fresh concrete** (BS EN 206-1)

NOTE Usually made of steel.

09 36100 concrete pump
pump (01) for delivering **fresh concrete** (BS EN 206-1) through a **pipe** (01)

09 36101 concrete chute
inclined open trough for delivering **fresh concrete** (BS EN 206-1) by gravity

09 36102 pneumatic concrete placer
equipment for delivering **fresh concrete** (BS EN 206-1) through a **pipe** (01) by means of compressed air

09 36103 screed pump
pump (01) for transporting **screed** (BS EN 13318) **material** (01) through a **pipe** (01)

09 36104 concrete train
number of machines that move on **rails** (04 22051) and are used in concert to carry out all the processes necessary to **construct** (01) a **concrete** (01) **pavement** (01)

09 36105 concrete paver
machine that moves on **tracks** (01) or **rails** (04 22051) and is used to **construct** (01) a **concrete** (01) **pavement** (01)

09 36106 slip form paver
concrete paver (09 36105) with **formwork** (01) that moves forward with the machine

NOTE It is usually guided by a sensor.

09 36107 concrete spreader
machine that spreads **fresh concrete** (BS EN 206-1) from heaps dumped in front of it, or receives and spreads **fresh concrete** (BS EN 206-1) in a uniform layer

*NOTE Usually carried on **edge formwork** (09 36012) or on **rails** (04 22051) parallel to the **formwork** (01).*

09 36108 screw spreader
machine that spreads **fresh concrete** (BS EN 206-1) through the action of an Archimedian screw or flight

*NOTE Mainly used as part as a **slip form paver** (09 36106).*

09 36109 box spreader
hopper (12 86009) to place **concrete** (01) at the correct **level** (01) between **road formwork** (09 36013)

09 36110 concrete vibrator
mechanical device to **compact** (03 24008) **fresh concrete** (BS EN 206-1) by vibration

09 36111 external vibrator
form vibrator
concrete vibrator (09 36110) that is applied or fixed to **formwork** (01)

09 36112 immersion vibrator
poker vibrator
concrete vibrator (09 36110) immersed in **fresh concrete** (BS EN 206-1); it has a tubular head connected to a source of **energy** (01)

09 36113 surface vibrator
concrete vibrator (09 36110) applied to the top surface of **fresh concrete** (BS EN 206-1)

09 36114 concrete vibrating machine
surface vibrator (09 36113) carried on **road formwork** (09 36013)

09 36115 beam vibrator
surface vibrator (09 36113) in the form of a **beam** (01)

09 36116 vibrating table
concrete vibrator (09 36110) in the form of a table

*NOTE Used mainly for **precast concrete** (01).*

09 36117 screeding board
board for producing a flat surface or **camber** (06 27001) to **fresh concrete** (BS EN 206-1) or **screed** (BS EN 13318)

09 36118 screed batten
section (01) that forms a guide for a **screeding board** (09 36117)

09 36119 screed rail
tamping rail
guide that acts as a **datum** (01) and support for a **screeding board** (09 36117)

09 36120 tamping board
section (01) to **compact** (03 24008) **concrete** (01) by repeated blows and to shape the surface of a **concrete slab** (01)

09 36121 concrete finishing machine
machine that **compacts** (03 24008) **fresh concrete** (BS EN 206-1) by surface vibration and shapes and finishes the surface

09 36122 power trowel
machine with a number of power driven rotating blades for finishing **concrete** (01) **floors** (01)

09 36123 power float
machine with a power driven rotating disc for finishing **concrete** (01) **floors** (01); the **concrete** (01) is allowed to reach **initial set** (09 35020) before work starts

cf. **power float** (09 46008)

09 36124 arrissing tool
hand tool (12 16001) for producing a radius or **chamfer** (01) on the edges of **fresh concrete** (BS EN 206-1)

09 36125 concrete surface planer
machine for reducing the **level** (01) of **hardened concrete** (BS EN 206-1)

09 36126 concrete scabbler
machine or **tool** (01) to **scabble concrete** (09 34014)

09 36127 grouting machine
pump (01) for injecting **grout** (01) under pressure

09 36128 cement gun
apparatus for pneumatic application of **mortar** (01)

09 36129 cover meter
apparatus for **measurement** (01) of **concrete cover** (01)

09 36130 curing blanket
cover laid over **fresh concrete** (BS EN 206-1) to retain heat and help **cure concrete** (09 34011)

09 36131 concrete saw
saw (12 66034) for cutting **concrete** (01)

09 36132 bar bending machine
power bender
machine for bending **reinforcing bars** (09 33040)

09 36133 bar cropper
machine for cutting **reinforcing bars** (09 33040) by shearing

09 36134 boom scraper
pivoted boom carrying a bucket or chain of buckets for handling **aggregate** (01) from a stockpile

09 36135 flow table
board or table for **measurement** (01) of **concrete** (01) consistency

09 36136 shape code
standard notation for the **shape** (11 27004) of a **reinforcing bar** (09 33040)

09 36137 fabric reference
alphanumeric code that defines wire **sizes** (01) and mesh **dimensions** (01) of **fabric reinforcement** (09 33095)

09 36138 starter frame
formwork (01) for casting a **kicker** (09 36074) in situ

09 36139 dovetail anchor
anchor slot
device cast into a **concrete** (01) surface to produce a slot narrower at the surface than at its base and into which a shaped metal tongue is inserted to form an anchorage for a facing

NOTE Made from sheet steel or other metal.

09 36140 sealing groove strip
strip (01) attached to the face of **formwork** (01) to produce a **sealing groove** (11 42027)

09 36141 angle fillet
strip (01) fitted in an internal intersection in **formwork** (01) to form a **chamfer** (01) or designed contour

5.6 Properties (09 37xxx)

09 37001 effective width of slab
width (01) of a **concrete slab** (01) assumed for design purposes

09 37002 cube strength
compressive strength (01) of **concrete** (01) made with a specific **concrete mix** (01) using a standard cuboid **specimen** (11 12001)

09 37003 estimated in situ cube strength
compressive strength (01) of **concrete** (01) at a location in a **structural member** (01) estimated by indirect means and expressed in terms of **cube strength** (09 37002)

09 37004 core strength
compressive strength (01) of a **concrete** (01) **assessed** (11 14001) from a **core** (01) **sample** (01)

09 37005 tensile splitting strength
indirect tensile strength
tensile strength (01) of a **concrete** (01) made with a specific mix, determined indirectly by splitting a cylindrical, cuboid, or prismatic **specimen** (11 12001)

09 37006 bond strength
bond stress (01) at the instant before **failure** (11 17012) of **concrete bond** (01)

09 37007 initial stress
stress (01) imposed in the **concrete** (01) or steel of a **prestressed concrete** (01) **structural member** (01) when it is first fully stressed, and before **creep** (01) or plastic yield occurs

09 37008 local bond stress
bond stress (01) at a particular point on **reinforcement** (01)

09 37009 average bond stress
maximum **force** (01) in an embedded **reinforcing bar** (09 33040) divided by the product of the perimeter and the **length** (01) of the **reinforcing bar** (09 33040)

09 37010 cement/water ratio
reciprocal of **water/cement ratio** (BS EN 206-1)

09 37011 aggregate/cement ratio
ratio of **mass** (11 27001) of **aggregate** (01) to **mass** (11 27001) of **cement** (BS EN 206-1) in **concrete** (01) or **mortar** (01)

09 37012 voids ratio
ratio of the volume of **voids** (03 28003) in a **material** (01) to the combined volume of the **material** (01) and **voids** (03 28003)

09 37013 nominal mix proportions
proportions of dry **materials** (01) in a **concrete mix** (01) expressed in volumetric terms

09 37014 water content
mass (11 27001) of water in unit volume of a mixture

09 37015 air content
ratio of total volume of air to unit volume of a mixture, usually expressed as a percentage

09 37016 concrete yield
volume of **compacted** (03 24008) **fresh concrete** (BS EN 206-1) produced by given mix **masses** (11 27001) or volumes of individual constituents

09 37018 compacting factor
ratio of the **mass** (11 27001) of **fresh concrete** (BS EN 206-1) filling a standard container when allowed to fall into it, to the **mass** (11 27001) of fully **compacted** (03 24008) **concrete** (01) filling the same container

09 37025 concrete maturity
measure (01) of hydration of **concrete** (01) represented by the area under the curve of temperature above a defined value against time since **placing** (09 34019)

09 37026 concrete lift
height (01) of **concrete** (01) **placed** (09 34019) in one continuous operation

09 37027 striking time
stripping time
earliest moment for **striking** (01)

09 37028 formwork draw
incline the face on a **formwork** (01) component to facilitate **striking** (01)

09 37029 cylinder strength
compressive strength (01) of **concrete** (01) made with a specific **concrete mix** (01) using a standard cylindrical **specimen** (11 12001)

5.7 Spaces (09 38xxx)

09 38001 pocket
small recess formed in a **concrete** (01) surface

09 38002 concrete bay
area of **concrete** (01) bounded by **joints** (01) or **free edges** (09 33059)

09 38003 air void
air pocket
void (03 28003) in **hardened concrete** (BS EN 206-1) formed by **entrained air** (BS EN 206-1) or **entrapped air** (BS EN 206-1)

09 38004 water void
space (01) in **hardened concrete** (BS EN 206-1) occupied or formed by surplus water

09 38005 honeycombing
interconnected **voids** (03 28003) in **concrete** (01) caused by loss of or lack of **mortar** (01)

09 38006 concrete blow hole
bleb
small hole in the face of finished **concrete** (01) caused by air trapped against the face of the **formwork** (01)

6 Plaster (09 4xxxx)

6.1 Parts (09 42xxx)

09 42001 solid background
masonry (01) or **concrete** (01) **structure** (01) that is used as a **plastering background** (01) or to which a **lining** (01) is attached

09 42004 mechanical key
openings, grooves or open **texture** (01) in the surface of a **plastering background** (01) or **rendering substrate** (09 32009) into which **plaster** (01) or **render** (01) respectively penetrates

09 42005 plaster key
part of an **undercoat** (BS EN 13914-2) comprising **plaster** (01) pressed through the openings in **laths** (09 43029)

09 42006 plaster enrichment
ornamental detail produced in **casting plaster** (09 43028)

09 42007 plastering screed
narrow band of hardened **plaster** (01) used as a thickness and alignment guide when applying a **plaster coat** (BS EN 13914-2)

09 42008 collar screed
horizontal **plastering screed** (09 42007) around a **column** (01)

09 42009 fibrous plaster firsting
first **coat** (01) of **casting plaster** (09 43028) applied to a **fibrous plastering model** (09 46052) or **fibrous plastering mould** (09 46043)

09 42010 fibrous plaster second
coat (01) of **casting plaster** (09 43028) applied to a **fibrous plaster firsting** (09 42009) to produce a homogeneous **fibrous plaster cast** (09 43037)

09 42011 undercut
part of the surface of a **fibrous plastering model** (09 46052), **fibrous plastering mould** (09 46043) or **fibrous plastering reverse mould** (09 46044) that turns under an adjacent part

09 42012 plasterboard nail
hot-dip galvanized, large flat head, round steel wire **nail** (01) for **fixing** (01) **gypsum plasterboard** (09 43001) to pieces of **timber** (01)

09 42013 plasterboard nailable fixing plug
corrosion resistant ring shank **nail** (01) inserted in an expandable plastics sleeve for **fixing** (01) **gypsum plasterboard insulation composite panel** (09 43053) to **solid backgrounds** (09 42001) by **hammering** (06 24029) into a pre-drilled hole

09 42014 drywall screw
corrosion resistant, self-drilling and tapping, trumpet shaped and cross punched head steel **screw** (01) for **fixing** (01) **gypsum plasterboard** (09 43001) to lightweight steel **sections** (01)

09 42015 plasterboard jointing compound
jointing material (01) based on a **binder** (01); after addition of water it is applied to **gypsum plasterboard** (09 43001) while plastic and subsequently hardens

09 42016 bedding compound
plasterboard jointing compound (09 42015) for embedding and covering **jointing tape** (09 42023)

09 42017 finishing compound
plasterboard jointing compound (09 42015) for application over **bedding compound** (09 42016) to form the final visible surface

09 42018 dual-purpose compound
plasterboard jointing compound (09 42015) for embedding and covering **jointing tape** (09 42023) and forming the final visible surface

09 42019 tapeless jointing compound
plasterboard jointing compound (09 42015) that is used without **jointing tape** (09 42023)

09 42020 short setting compound
plasterboard jointing compound (09 42015) that hardens within 20 minutes and 60 minutes

09 42021 long setting compound
plasterboard jointing compound (09 42015) that takes more than 180 minutes to harden

09 42022 normal setting compound
plasterboard jointing compound (09 42015) that hardens within 60 minutes and 180 minutes

09 42023 jointing tape
paper **strip** (01) for incorporation in an application of **plasterboard jointing compound** (09 42015) as **reinforcement** (01)

09 42024 run moulded section
moulded section (08 32095) formed with a **running mould** (09 46015)

09 42025 raked run moulded section
run moulded section (09 42024) formed with a **raking mould** (09 46042)

6.2 Materials (09 43xxx)

09 43001 gypsum plasterboard
board of **gypsum** (01) **plaster** (01) enclosed between and bonded to two paper **sheets** (01)

09 43002 glass reinforced gypsum
material (01) based on a **gypsum** (01) **binder** (01) to which a **glass** (01) fibre **reinforcement** (01) has been added during mixing

09 43003 membrane reinforced gypsum board
board of **gypsum** (01) **plaster** (01) with **reinforcement** (01) in the form of membranes that are located beneath the surface

09 43004 fibred plaster
plaster (01) that contains fibres

09 43005 glass reinforced plaster
fibred plaster (09 43004) that employs **glass** (01) fibres

09 43006 lime plaster
plaster (01) that is produced from **lime** (BS EN 459-1) putty

09 43007 neat gypsum plaster
gypsum (01) **plaster** (01) that does not contain **aggregate** (01)

09 43008 Portland cement plaster
plaster (01) that is produced from **Portland cement** (09 13006)

09 43009 premixed plaster
plaster (01) that has all the constituents mixed by the **manufacturer** (01)

09 43010 sanded plaster
plaster (01) that contains **sand** (BS EN 12670)

09 43011 autoclaved gypsum plaster
gypsum (01) **plaster** (01) that is produced in a high-pressure, high-temperature chamber

09 43012 retarded hemihydrate gypsum plaster
hemihydrate gypsum plaster (09 43013) with a **material** (01) added to the **binder** (01) to extend the time the mixture will take to harden

09 43013 hemihydrate gypsum plaster
plaster of Paris
gypsum (01) **plaster** (01) that employs **calcium sulfate hemihydrate** (09 13028) as the **binder** (01)

09 43014 coarse stuff
plaster (01) for an **undercoat** (BS EN 13914-2) based on **lime** (BS EN 459-1) putty and **sand** (BS EN 12670)

09 43015 gauged coarse stuff
plaster (01) for an **undercoat** (BS EN 13914-2) that is based on **coarse stuff** (09 43014) mixed with either ordinary **Portland cement** (09 13006) or **gypsum** (01) **plaster** (01)

09 43016 setting stuff
fine stuff
plaster (01) for a **finish** (01) that is based on **lime** (BS EN 459-1) putty and fine **sand** (BS EN 12670)

09 43017 acoustic plaster
plaster (01) for an internal surface **finish** (01) with enhanced **sound absorption** (11 27093)

09 43018 damp resisting plaster
plaster (01) that contains a chemical **admixture** (01) to reduce moisture transmission

09 43019 x-ray resisting plaster
plaster (01) that contains barytes to reduce x-ray penetration

09 43020 bonding plaster
plaster (01) for an **undercoat** (BS EN 13914-2) for application to **plastering backgrounds** (01) of low **suction** (01) and **mechanical key** (09 42004)

09 43021 browning plaster
plaster (01) for an **undercoat** (BS EN 13914-2) for application to **plastering backgrounds** (01) of moderate **suction** (01) and **mechanical key** (09 42004)

09 43022 thin coat plaster
plaster (01) for a **final coat** (BS EN 13914-2) of reduced **thickness** (01)

09 43023 thin wall plaster
plaster (01) for a **final coat** (BS EN 13914-2) that incorporates an organic **binder** (01) and hardens by drying

09 43024 board finish plaster
final coat (BS EN 13914-2) **plaster** (01) for application to **gypsum plasterboard** (09 43001)

09 43025 metal lath plaster
plaster (01) for application to metal **laths** (09 43029)

09 43026 multi purpose plaster
plaster (01) for application to different types of **plastering background** (01)

09 43027 renovation plaster
plaster (01) for application to a **plastering background** (01) of old **masonry** (01) that may contain residual moisture after installation of a new **damp proof course** (01)

09 43028 casting plaster
plaster (01) for casting

09 43029 lath
product (01) attached to a **plastering background** (01) that provides a **key** (01) when **plaster** (01) is applied

09 43030 timber lath
lath (09 43029) formed with **timber** (01) **strips** (01) fixed side by side with **spaces** (01) between each pair

09 43031 furred expanded metal lath
expanded metal **lath** (09 43029) with integral ribs that create **spaces** (01) when fixed to a **solid background** (09 42001)

09 43032 sprayable ribbed expanded metal lath
expanded metal **lath** (09 43029) with integral ribs, coated to restrict the penetration of **plaster** (01) applied by high velocity projection

09 43033 circular window form metal lath
expanded metal **lath** (09 43029) in the **shape** (11 27004) of a circular **window** (01) **reveal** (01)

09 43034 gypsum lath
thin **gypsum baseboard** (09 43044) that is used as a **lath** (09 43029)

09 43035 metal bead
corrosion resistant lightweight metal **section** (01) used in **plastering** (BS EN 13914-2) as a guide, **reinforcement** (01) or to provide features in a **finish** (01)

09 43036 scrim
open weave or coarse mesh fabric used as a **reinforcement** (01) in **plastering** (BS EN 13914-2)

09 43037 fibrous plaster cast
product (01) made of **casting plaster** (09 43028) and fibrous **reinforcement** (01)

09 43038 run cast
section (01) made of **casting plaster** (09 43028) that contains **reinforcement** (01) and is shaped with a **running mould** (09 46015) while plastic

09 43039 solid cast
product (01) made of **casting plaster** (09 43028) only

09 43040 bruised lath
timber lath (09 43030) that has been softened by **hammering** (06 24029)

09 43041 carton pierre
mixture of paper pulp, whiting and size, used for casting

09 43042 gesso
mixture of **casting plaster** (09 43028), glue and linseed oil or boiled oil, glue and whiting, used for making **fibrous plastering models** (09 46052) or **fibrous plaster casts** (09 43037)

09 43043 size water
solution of gelatine in water, used to extend the time a **casting plaster** (09 43028) will take to harden

09 43044 gypsum baseboard
gypsum plasterboard (09 43001) with a face suitable for receiving **gypsum** (01) **plaster** (01)

09 43045 gypsum plasterboard A
gypsum plasterboard (09 43001) with a face suitable for receiving decoration

09 43049 gypsum plasterboard D
gypsum plasterboard (09 43001) of controlled **density** (01)

09 43046 gypsum plasterboard E
gypsum plasterboard (09 43001) for use as **infill** (01) in external **walls** (01)

09 43047 gypsum plasterboard F
gypsum plasterboard (09 43001) with mineral fibres and other **additives** (01) in the **core** (1) to improve **cohesion** (01) at high temperatures

09 43048 gypsum plasterboard H
gypsum plasterboard (09 43001) that contains **additives** (01) to reduce the rate of water absorption

09 43051 gypsum plasterboard I
gypsum plasterboard (09 43001) that has enhanced resistance to impact **loads** (01)

09 43050 gypsum plasterboard R
gypsum plasterboard (09 43001) that has increased longitudinal and transverse breaking **loads** (01)

09 43052 gypsum cove
curved **section** (01) of **gypsum** (01) **plaster** (01) enclosed by and bonded to a paper **sheet** (01) and used at junctions between **walls** (01) and **ceilings** (01)

09 43053 gypsum plasterboard composite panel
laminate (01) that has as least one layer of **gypsum plasterboard** (09 43001)

09 43054 gypsum plasterboard insulation composite
gypsum plasterboard composite panel (09 43053) that incorporates a layer of **thermal insulation material** (01)

09 43055 vapour control gypsum plasterboard
gypsum plasterboard composite panel (09 43053) that incorporates a layer of low water vapour **permeability** (01)

09 43056 prefabricated gypsum wallboard panel
gypsum plasterboard composite panel (09 43053) that consists of two **gypsum plasterboards** (09 43001) separated by and bonded to a **core** (01)

09 43057 gypsum plasterboard edge
narrow longitudinal surface of a **gypsum plasterboard** (09 43001) covered by paper

09 43058 gypsum plasterboard end
narrow transverse surface of a **gypsum plasterboard** (09 43001), showing the exposed **core** (01)

09 43059 gypsum plasterboard face
paper-covered surface of a **gypsum plasterboard** (09 43001) where the paper extends over the **gypsum plasterboard edges** (09 43057)

09 43060 gypsum plasterboard back
surface of a **gypsum plasterboard** (09 43001) opposite to the **gypsum plasterboard face** (09 43059)

09 43061 gypsum based adhesive
adhesive (01) that has **gypsum** (01) **binder** (01) as its principal constituent

09 43062 metal furring channel
galvanized lightweight steel **section** (01) bonded with **gypsum based adhesive** (09 43061) to a **solid background** (09 42001) as a **ground** (01) for **gypsum plasterboard** (09 43001)

09 43063 plasterboard resilient fixing channel
galvanized lightweight steel **section** (01) fixed to **timber** (01) supports as a **ground** (01) for **gypsum plasterboard** (09 43001) and capable of accommodating movement

6.3 Activities (09 44xxx)

09 44001 scotch bracket
timber lath (09 43030) for a **run moulded section** (09 42024) producing a **cornice** (06 22131); it is bedded in the angle between the **wall** (01) and the **ceiling** (01)

09 44002 scour
consolidate a **plaster** (01) surface using a **cross grained float** (09 46006) with a circular motion

09 44003 chatter
unwanted vibration of a **running mould** (09 46015)

09 44004 dress up
place and secure **plaster enrichment** (09 42006) onto a **run moulded section** (09 42024) or **fibrous plastering reverse mould** (09 46044)

09 44005 stop in
fill and make good **joints** (01) between **fibrous plaster casts** (09 43037) after **fixing** (01)

09 44006 one gauge method
method of producing a **fibrous plaster cast** (09 43037) using one mix of **casting plaster** (09 43028)

6.4 Plant, equipment and documentation (46xxx)

09 46002 plastering dot
short thin piece of **timber** (01) that is positioned and set in **plaster** (01) and used as an alignment guide

09 46003 corner scraper
angle plane
plate (01) or grid with several straight edged steel blades set across one surface and an arch handle on the other, for removing **plaster** (01) at internal angles

09 46004 darby
rule (09 46020) that has two cylindrical handles on one surface

09 46005 straight grained float
float (01) that has a **timber** (01) blade with its **grain** (BS EN 844-7) parallel to the **length** (01)

09 46006 cross grained float
float (01) that has a **timber** (01) blade with its **grain** (BS EN 844-7) across the **length** (01)

09 46007 nail float
straight grained float (09 46005) that has **nail** (01) points protruding from its face forming grooves in the surface of the **plastering background** (01) as a **mechanical key** (09 42004)

09 46008 power float
hand held **power tool** (12 16002) with several sponge blades on one surface of a rotating disc; used to smooth a **plaster coat** (BS EN 13914-2)

cf. **power float** (09 36123)

09 46009 skimming float
straight grained float (09 46005) with a thin blade; used for applying **plaster** (01) for a **final coat** (BS EN 13914-2)

09 46010 sponge float
float (01) that has a layer of synthetic sponge on the blade surface

09 46011 gig stick
strip (01) of **wood** (01) attached to a **running mould** (09 46015) at one end and a pivot pin at the other; it guides the **running mould** (09 46015) on a circular path

09 46012 larry
steel blade attached at a right angle to one end of a long handle; used to mix **plaster** (01)

09 46013 lath hammer
steel serrated hammer head and notched **axe** (12 66029) blade on a **hammer** (12 66002) handle; used to **nail** (01) and cut **timber laths** (09 43030)

09 46014 peg mould
running mould (09 46015) with two protruding pegs; used with a curved guide

09 46015 running mould
plastering templet (09 46054) within a **timber** (01) **frame** (01)

*NOTE Also used to produce **fibrous plaster cast** (09 43037) in reverse **profile** (01).*

09 46016 thumb mould
small **running mould** (09 46015)

09 46017 mixer pump
machine that mixes **plaster** (01) with water and pumps the mixed **plaster** (01) and compressed air through **hoses** (12 66025) to a **spray gun** (09 46019)

09 46018 plaster pump
machine that pumps mixed **plaster** (01) and compressed air through **hoses** (12 66025) to a **spray gun** (09 46019)

09 46019 spray gun
hand operated nozzle, with a control tap, from which **plaster** (01) is projected at high velocity

09 46020 rule
tool (01) with a straight edge for guiding and **measurement** (01)

09 46021 entasised rule
rule (09 46020) to shape a **plaster coat** (BS EN 13914-2) to the surface of a **column** (01) with a slightly convex curved shaft

09 46022 feather edge rule
long **rule** (09 46020) that reduces in **thickness** (01) towards the straight edge; used at internal angles

09 46023 floating rule
long **rule** (09 46020) used on **undercoats** (BS EN 13914-2)

09 46024 box rule
floating rule (09 46023) of right angle **section** (01) used on **ceilings** (01)

09 46025 joint rule
bevelled edge steel **rule** (09 46020) that is cut to a 45 degrees angle at one end; it is used for extending **run moulded sections** (09 42024) for **mitred joints** (08 32092), **returns** (06 22125) and stopped ends

09 46026 rebated rule
rule (09 46020) that has one or more **rebates** (08 32123) of specified **depth** (01) in the straight edge; used for levelling the surface of a **plaster coat** (BS EN 13914-2)

09 46027 running rule
strip (01) of **timber** (01), fixed to a surface, to guide a **running mould** (09 46015)

09 46028 thickness rule
rule (09 46020) of specified **thickness** (01) fixed to the surface of a **plaster coat** (BS EN 13914-2) to form an edge and determine the **thickness** (01) of the next **plaster coat** (BS EN 13914-2)

09 46029 scratcher
row of steel wires set in a handle that are used to form grooves in the surface of **undercoats** (BS EN 13914-2) to provide a **mechanical key** (09 42004)

09 46030 small tool
small double-ended steel **tool** (01) for fine work and making good in **plaster** (01)

09 46031 spatula
narrow straight edged steel blade, stiffened by a handgrip of equal **length** (01) on one long edge, for smoothing the surface of **plaster coats** (BS EN 13914-2)

09 46032 trammel
board that on one surface has two straight channel **sections** (01) that intersect at a right angle; used in conjunction with a **trammel rod** (09 46033) for guiding a **running mould** (09 46015) on an elliptical path

09 46033 trammel rod
strip (01) of **wood** (01) that attaches at one end to a **running mould** (09 46015) and at the other end has two small pivoted blocks that engage in the channel **sections** (01) of a **trammel** (09 46032)

09 46034 finishing trowel
flexible **laying on trowel** (09 46036); used for applying and smoothing the surface of a **final coat** (BS EN 13914-2)

09 46035 gauging trowel
flat steel blade that tapers to a rounded end with a cranked handle at the broad end; used for making up and applying a small quantity of **plaster** (01)

09 46036 laying on trowel
rectangular flat steel blade with a central stiffener and a single or double hang handle on one surface; used for **plastering** (BS EN 13914-2)

09 46037 margin trowel
narrow rectangular flat steel blade with a cranked handle at one end; used for **plastering** (BS EN 13914-2) in narrow areas

09 46038 square external angle trowel
rectangular steel blade that is formed to a right angle with a cranked handle outside the angle at one end; used for smoothing the surface of a **plaster coat** (BS EN 13914-2) at an external angle

09 46039 square internal angle trowel
rectangular steel blade that is formed to a right angle with a cranked handle inside the angle at one end; used for smoothing the surface of a **plaster coat** (BS EN 13914-2) at an internal angle

09 46040 Swiss trowel
rectangular flat steel blade that is stiffened by a central arch handle on one surface, used for smoothing the surface of a **coat** (01) of **projection gypsum plaster** (BS EN 13279-1)

09 46041 twitcher trowel
steel blade of rectangular **channel section** (01) with a cranked handle at one end; used for smoothing the surface of a **plaster coat** (BS EN 13914-2) at an internal angle

09 46042 raking mould
running mould (09 46015) for use at an angle to the horizontal and in which a compensatory adjustment is made to the **profile** (01)

09 46043 fibrous plastering mould
device for the production of identical objects in **casting plaster** (09 43028), made from a fluid setting material or thermoplastic material, the shaped surface being obtained by allowing the material to solidify in contact with a **fibrous plastering model** (09 46052)

09 46044 fibrous plastering reverse mould
device used for the production of a **fibrous plaster cast** (09 43037) with a surface shaped in a **profile** (01) that is the reverse of that normally obtained with a **fibrous plastering mould** (09 46043)

09 46045 busk
flexible steel **sheet** (01) used to remove excess hardened **casting plaster** (09 43028)

09 46046 drag
steel **plate** (01), with a serrated edge, used to remove excess hardened **casting plaster** (09 43028)

09 46047 case mould
flexible mould (09 46055) made by pouring a **flexible moulding compound** (09 46056) into the **void** (03 28003) between a **fibrous plastering model** (09 46052) and a **fibrous plaster case** (09 46050)

09 46048 column mould box
fibrous **plastering templet** (09 46054) of a **column** (01) **profile** (01) that pivots at each end of a box frame, and is used to shape a **fibrous plastering reverse mould** (09 46044) for a **column** (01)

09 46049 core former
shaped object used to form a **void** (03 28003) or recess in a **fibrous plaster case** (09 46050) or **fibrous plastering mould** (09 46043), or to fill out the bulk of a large **fibrous plastering model** (09 46052) or **fibrous plastering mould** (09 46043)

09 46050 fibrous plaster case
fibrous plaster cast (09 43037) that supports a **flexible mould** (09 46055) or holds together the parts of a **piece mould** (09 46063)

09 46051 fibrous plaster fence
strip (01) placed around a **fibrous plastering model** (09 46052) or **fibrous plastering mould** (09 46043) to form an enclosure and prevent loss of casting **materials** (01)

09 46052 fibrous plastering model
full size solid object or feature that is to be reproduced as a **fibrous plaster cast** (09 43037)

09 46053 fibrous plaster rope
strip (01) of canvas coated with **casting plaster** (09 43028) for incorporation in a **fibrous plaster cast** (09 43037) as additional **reinforcement** (01)

09 46054 plastering templet
profiled metal **sheet** (01) that is drawn across the surface of **plaster** (01) while it is plastic to modify its **shape** (11 27004)

09 46055 flexible mould
fibrous plastering mould (09 46043) made of **flexible moulding compound** (09 46056), and used for the reproduction of a **fibrous plastering model** (09 46052) that has an **undercut** (09 42011)

09 46056 flexible moulding compound
flexible **material** (01) used for making **fibrous plastering moulds** (09 46043)

09 46057 hand lathe
turning box
rod (01) that by rotation, adjacent to a **plastering templet** (09 46054) on a **frame** (01), produces a cylindrical **product** (01)

09 46058 insertion mould
inflexible **fibrous plastering mould** (09 46043) that incorporates a small **flexible mould** (09 46055)

09 46059 loose piece mould
fibrous plastering mould (09 46043) with a removable piece; for making a **moulded section** (08 32095) with an **undercut** (09 42011)

09 46060 mitre stop
short **length** (01) of **moulded section** (08 32095) cut to a mitre and replaced in a **fibrous plastering mould** (09 46043) to produce a mitre on a subsequent **fibrous plaster cast** (09 43037)

09 46061 muffle
profiled metal **sheet** (01) fixed over a **plastering templet** (09 46054) to change the **profile** (01)

09 46062 open fence mould
flexible mould (09 46055) formed using a **fibrous plaster fence** (09 46051)

09 46063 piece mould
fibrous plastering mould (09 46043) made with parts held together while casting and then separated to remove the cast

09 46064 skin mould
thin **flexible mould** (09 46055) supported by a **fibrous plaster case** (09 46050)

09 46065 squeeze mould
small **fibrous plastering mould** (09 46043) formed by pressing a plastics material on to a **fibrous plastering model** (09 46052) to obtain an impression

09 46066 turning mould
running mould (09 46015) pivoted at one end; used to make a **fibrous plastering mould** (09 46043) for a **dome** (03 52002) or similar feature

09 46067 wad
piece of canvas coated with **casting plaster** (09 43028); used in the production of **fibrous plaster casts** (09 43037)

09 46068 waste mould
fibrous plastering mould (09 46043) that is destroyed to release the **fibrous plaster cast** (09 43037)

09 46069 armature
frame (01) of **wood** (01) or metal to which **clay** (BS EN 12670) is applied when forming a large **clay** (BS EN 12670) **fibrous plastering model** (09 46052)

09 46070 back and front mould
fibrous plastering mould (09 46043) made in two opposing parts

09 46071 cock comb
drag (09 46046) with a curved serrated edge

09 46072 plasterboard jack
lifting platform for raising **gypsum plasterboard** (09 43001) into position in a **ceiling** (01) and supporting it prior to **fixing** (01)

09 46073 foot lifter
foot operated lever for raising **gypsum plasterboard** (09 43001) into position on a vertical **plastering background** (01) prior to **fixing** (01)

09 46074 plasterboard placer
hand operated lever for raising **gypsum plasterboard** (09 43001) into position on a vertical **plastering background** (01) and supporting it prior to **fixing** (01)

09 46075 drywall hammer
hammer (12 66002) for driving hot-dip galvanized, round steel wire **nails** (01) with large convex heads scored so they can be depressed without damaging the surface of **gypsum plasterboard** (09 43001)

09 46076 plasterboard saw
general purpose **hand saw** (12 66035) for cutting **gypsum plasterboard** (09 43001) that has a steel blade with five teeth per 25 mm to prevent clogging

09 46077 plasterboard trimmer
hand set **tool** (01) for cutting a **strip** (01) from a **gypsum plasterboard edge** (09 43057)

09 46078 jointing tape machine
hand operated machine that simultaneously applies **jointing tape** (09 42023) and **plasterboard jointing compound** (09 42015) to a **joint** (01) in **gypsum plasterboard** (09 43001)

09 46079 corner applicator
hand operated machine that applies **plasterboard jointing compound** (09 42015) to both **gypsum plasterboard faces** (09 43059) at an internal angle

09 46080 corner finisher
tool (01) for smoothing the surface of **plasterboard jointing compound** (09 42015) at an internal angle

09 46081 corner roller
tool (01) for pressing **jointing tape** (09 42023) into the surface **plasterboard jointing compound** (09 42015) at an internal angle

09 46082 flat finisher
hand operated machine that applies a smooth surfaced band of **plasterboard jointing compound** (09 42015) to a flat surface

09 46083 spot finisher
small **flat finisher** (09 46082) for use over the heads of **plasterboard nails** (09 42012) or **drywall screws** (09 42014) in the central area of a **gypsum plasterboard face** (09 43059) or **gypsum plasterboard back** (09 43060)

09 46084 jointing compound sander
abrasive **tool** (01) for smoothing hardened **plasterboard jointing compound** (09 42015)

09 46085 jointing tape machine loading pump
hand **pump** (01) for filling a **jointing tape machine** (09 46078) with **plasterboard jointing compound** (09 42015)

09 46086 jointing long handled broad knife
triangular steel blade on a long handle for removing surplus **plasterboard jointing compound** (09 42015)

09 46087 jointing bladed pan
rectangular plastics trough with steel scraper blades on the longer edges for **cleaning** (06 84020) a **jointing long handled broad knife** (09 46086)

09 46088 jointing sponge
plastics foam disc on a rigid backing with a central handle for working **plasterboard jointing compound** (09 42015) to an edge of reducing **thickness** (01)

09 46089 jointing tape knife
triangular steel blade on a handle for pressing **jointing tape** (09 42023) into **plasterboard jointing compound** (09 42015)

09 46090 jointing compound hand applicator
rectangular rigid plastics blade, with a hand grip on one edge, for applying **plasterboard jointing compound** (09 42015)

09 46091 jointing compound finishing trowel
rectangular slightly curved flexible steel blade, with a central stiffener and single hang handle on the convex surface, for applying **plasterboard jointing compound** (09 42015)

6.5 Properties (09 47xxx)

09 47001 starring
star shaped **blemish** (01) in hardened **plaster** (01); it is caused by a delay in drying

09 47002 fibrous plaster draught
slope (01) given to surfaces of a **fibrous plastering mould** (09 46043) to facilitate the release of a **fibrous plaster cast** (09 43037)

09 47003 cockling
deformation (01) of a **fibrous plaster firsting** (09 42009)

Bibliography

Standards publications

For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

BS 1846-1, *Glossary of terms relating to solid fuel burning equipment – Part 1: Domestic appliances*.

BS 4261, *Wood preservation – Vocabulary*.

BS 6100-1/ISO 6707-1, *Building and civil engineering – Vocabulary – Part 1: General*.

BS 6100-3, *Building and civil engineering – Vocabulary – Part 3: Civil engineering – General*.

BS 6100-4, *Building and civil engineering – Vocabulary – Part 4: Transport*.

BS 6100-5, *Building and civil engineering – Vocabulary – Part 5: Civil engineering – Water engineering, environmental engineering and pipelines*.

BS 6100-6, *Building and civil engineering – Vocabulary – Part 6: Construction parts*.

BS 6100-8, *Building and civil engineering – Vocabulary – Part 8: Work with timber and wood-based panels*.

BS 6100-11, *Building and civil engineering – Vocabulary – Part 11: Performance characteristics, measurement and joints*.

BS 6100-12, *Building and civil engineering – Vocabulary – Part 12: Plant, equipment and persons*.

BS EN 206-1, *Concrete – Part 1: Specification, performance, production and conformity*.

BS EN 459-1, *Building lime – Part 1: Definitions, specifications and conformity criteria*.

BS EN 844-12, *Round and sawn timber – Terminology – Part 12: Additional terms and general*.

BS EN 923, *Adhesives – Terms and definitions*.

BS EN 934-2, *Admixtures for concrete, mortar and grout – Part 2: Concrete admixtures – Definitions, requirements, conformity, marking and labelling*.

BS EN 12620, *Aggregates for concrete*.

BS EN 12670, *Natural stone – Terminology*.

BS EN 13055-1, *Lightweight aggregates – Part 1: Lightweight aggregates for concrete, mortar and grout*.

BS EN 13279-1, *Gypsum binders and gypsum plasters – Part 1: Definitions and requirements*.

BS EN 13318, *Screed material and floor screeds – Definitions*.

BS EN 13914-1, *Design, preparation and application of external rendering and internal plastering – Part 1: External rendering*.

BS EN 13914-2, *Design, preparation and application of external rendering and internal plastering – Part 2: Design considerations and essential principles for internal plastering*.

BS EN ISO 772, *Hydrometric determinations – Vocabulary and symbols*.

BS EN ISO 12570, *Hydrothermal performance of building materials and products – Determination of moisture content by drying at elevated temperature*.

BS ISO 6107-1, *Water quality – Vocabulary – Part 1*.

BS ISO 15686-1, *Buildings and constructed assets – Service life planning – Part 1: General principles*.

ISO 2145, *Documentation – Numbering of divisions and subdivisions in written documents*.

ISO 10241, *International terminology standards – Preparation and layout*.

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