
Universal Decimal Classification

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UDC 69 Building

Classification Décimale Universelle
CDU 69 Construction

Dezimalklassifikation
DK 69 Bauarbeiten

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Foreword

The English version of the Universal Decimal Classification (UDC) is being prepared and published as BS 1000 by the British Standards Institution (BSI) at the original joint request of the British Society for International Bibliography (BSIB) and the Association of Special Libraries and Information Bureaux (ASLIB), now amalgamated as Aslib. It has the approval of the Lake Placid Education Foundation, New York, proprietors of the Dewey Decimal Classification, from which the UDC derives. The English full edition of the UDC is authorized by the International Federation for Documentation (FID), PO Box 30115, 2500 GC, The Hague, Netherlands.

This section is part of the English full edition. It should be used in conjunction with the Abridged English Edition, BS 1000A, which refers to many other subjects of interest not listed in this schedule, and provides a conspectus of the whole scheme, together with an introduction to its use. For further practical information about the principles, application and utilization of the scheme, users should refer to BS 1000C.

This edition of BS 1000 [69], which supersedes the 1958 edition, includes modifications authorized in 'Extensions and Corrections to the UDC' (FID) publication no. 248) up to and including Series 11, No. 1, dated April 1981. Subsequent issues of 'Extensions and Corrections to the UDC' should be consulted to keep the schedule up to date. British Standards related to this Part of BS 1000 are listed on the inside back cover.

Scope

Under 69 is classed information about the various building trades and the building industry in general, including building materials, practice and procedure, but excluding civil engineering and architectural aspects which are classed under 624/628 and 72.

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691	Building materials. Building components 5
692	Structural parts and elements of buildings 8
693	Bricklaying and similar building crafts 11
694	Timber construction. Carpentry. Carpenter's work. Joinery. Joiner's work 14
696	Equipment, services, installations in buildings (sanitary, gas, steam, electrical). Pipe fitter. Plumber. Metal worker. Drain layer. Electrician. Other trades 15
697	Heating, ventilating and air conditioning of buildings 16
698	Finishing and decorating trades 21
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Related subjects

006	Standardization
061.5	Business undertakings: industry, trade, commerce
061.6	Scientific/technical establishments, centres, services
331	Labour
332	Land and property. Real estate
336.2	Taxes. Duties. Levies. Excise. Dues
336.732	Credit associations for house-building or purchase. Building societies
351.778.5	Dwellings. Housing — Public administration
351.785	Safety measures concerning buildings. Building inspection and control
368	Insurance
528.4	Field and land surveying. Cadastral survey. Topography. Engineering survey. Special fields of surveying
534.83	Vibrations and their control. Control of disturbing noise. Noise abatement
534.84	Architectural acoustics. Sound level. Tone quality
536	Heat. Thermodynamics
537	Electricity. Magnetism. Electromagnetism
55	Earth sciences. Geology. Geophysics. Seismology. Meteorology. Hydrology
614.8	Accidents. Risks or hazards (including protection against fire)
620.1	Materials testing. Defects of materials. Protection of materials
621.3	Electrical engineering
621.57	Refrigerating machines. Heat pumps
621.64	Fluid storage and distribution installations and equipment. Containers (tanks etc.). Conduits. Pipes etc.
621.65	Pumps. Pumping in general
621.86	Materials handling in general
621.87	Cranes. Transporters. Lifts. Escalators. Levellers. Excavators. Dredgers

621.88	Fastening. Fixing devices. Fasteners
621.9	Working, machining with chip formation. Cutting, grinding, sheet working etc.
622	Mining
624	Civil and structural engineering in general. Substructures. Geotechnics. Earthwork. Foundations. Tunnelling. Bridges and other superstructures
625	Civil engineering of land transport. Railway engineering. Highway engineering
626/627	Hydraulic (water) construction works
628	Public health engineering. Water. Sanitation. Illuminating engineering
631.2	Farm buildings, structures and installations. Buildings for livestock, agricultural products, machinery and equipment
64	Home economics
658	Business and industrial organization and management
665.775	Asphalt bitumens
666.1	Glass industry. Glass technology. Glass manufacture in general
666.29	Enamels. Glazes. Silicate colours. Engobes
666.3/.7	Ceramics
666.9	Gypsum, lime and cement industries. Binding agents. Plasters. Filling and moulding compounds. Mortar and concrete
667.6	Coating and coating techniques. Paints. Varnishes. Lacquers
669	Metallurgy
674	Timber and woodworking industry
678	Industries based on macromolecular materials. Rubber industry. Plastics industry
679.8	Stone technology. Stone industry
682.6	Building ironwork
683.3	Locksmithing. Door furniture
684	Furniture and allied industries. Furniture manufacture. Upholstery
71	Physical planning. Regional, town and country planning, landscape, parks, gardens
72	Architecture
744	Linear and geometric drawing
911.37	Settlements

Auxiliary signs and subdivisions

Full information about the common and special auxiliary signs and subdivisions (often abbreviated to 'common and special auxiliaries') will be found in BS 1000A and BS1000C.

Colon sign of relation. For the classification of information for the public, as in abstracts and bibliographies, maximum use of colon combination rather than of common or special auxiliaries is recommended. The use of the colon sign of relation is preferable for multiple entry systems, as it will help prevent the concealment of information. This usually results in longer notation, however, and for information for more restricted use, the application of auxiliaries, where available, may be simpler and more convenient provided that there is an adequate alphabetical subject index.

Common auxiliaries. The common auxiliaries of language = ..., form (00...), place (1/9), race and nationality (=...), time "...", point of view .00..., materials —03... and persons —05... are applicable throughout the UDC. However, they should be used mainly to express concepts not otherwise provided for in the schedules.

Special auxiliaries. The —1/—9 special auxiliaries listed under 62 are applicable throughout the schedule. Although the .01, .04 and .07 special auxiliaries are preferably for use under 624 where they are listed in full, all the .01/.07 special auxiliaries may either be used as main numbers themselves (if it is desired to keep all information about a subject in one place) or they may be detached from 69 and applied to any subdivision of 69 where the result forms a meaningful combination, e.g.

69.033.6	Temporary buildings
699.86	Thermal insulation of buildings
699.86.033.6	Thermal insulation of temporary buildings

Typographic presentation

Small type is used for cancelled numbers and text. The arrow → means either 'see' or 'see also' according to the context. The symbol $\cong$ 'subdivide as' means that the number preceding it may be subdivided in the same way as, and with meanings analogous to the subdivisions of, the number which follows it.

SCHEDULE

69 BUILDING TRADE. BUILDING MATERIALS. BUILDING PRACTICE AND PROCEDURE

Special auxiliary subdivisions

69—1/—9	DETAILS OF MACHINERY AND EQUIPMENT	69.034.73	Cleaning of deposits
	69—1/—9 $\approx$ 62—1/—9	.75	Organic constituents. Algae
		.8	Cleaning of the affected parts
69.01	BUILDING AND PARTS ACCORDING TO MATERIAL	.9	Protection against effects of water and air
	69.01 $\approx$ 624.01	.92	Coatings. Linings. Facings
	<i>The .01 special auxiliaries are preferably for use under 624</i>		<i>Concrete and other materials may be denoted by colon combination with the subdivisions of 691</i>
69.02	[cancelled] $\rightarrow$ 692	.93	Packing. Stuffing. Sealing
.021/.021.15	[cancelled] $\rightarrow$ 692.1/.115	.94	Protective walls
.022/.022.99	[cancelled] $\rightarrow$ 692.2/.299	.95	Protection against the effects of eddies
.023	[cancelled] $\rightarrow$ 69.07, 624.07	.96	Drainage
.6	[cancelled] $\rightarrow$ 69.074, 624.074	.035	Buildings in mountainous country.
.8	[cancelled] $\rightarrow$ 69.072.33, 624.072.33		Underground buildings
.024/.024.97	[cancelled] $\rightarrow$ 692.4/.497		—624.127 Securing of rock slopes.
.024.98	[cancelled] $\rightarrow$ 692.492		Protective works in mountainous country
.025/.025.4	[cancelled] $\rightarrow$ 692.5/.54		624.144 Damage and accidents caused by snow and ice
.026/.026.7	[cancelled] $\rightarrow$ 692.6/.67		Mountainside buildings. Hillside buildings
.027/.027.96	[cancelled] $\rightarrow$ 692.7/.796		Underground buildings (subterranean buildings)
.028/.028.88	[cancelled] $\rightarrow$ 692.8/.888		Buildings according to layout and basic form
.029/.029.7	[cancelled] $\rightarrow$ 692.9/.97		Straight structures
69.03	SIZE, PERMANENCE, LOCATION AND SHAPE OF BUILDINGS	.2	Skew structures
	<i>Further particulars may be denoted by common auxiliaries, e.g.</i>	.4	Curved structures
	69.03(213) Tropical and subtropical buildings	.036	Structures with a single opening
	.03“324” Building in winter. Winter buildings	.1	Structures with several independent superstructures
	—624.139 Frozen ground engineering	.2	Structures with connected or continuous superstructures
	624.14 Snow and ice engineering.	.3	Structures with load-bearing grillage
	Building and building materials in cold climates	.4	Multi-storey load-bearing structures
.032	Size, dimensions etc. of buildings	.5	
.2	Multi-storey buildings generally	.6	
.21	Buildings according to number of floors	.7	
.22	High buildings. Skyscrapers	.8	
.4	Very small buildings	69.04	GRAPHICAL AND ANALYTICAL STATICS. STRENGTH, STABILITY ETC.
.6	Very light buildings		69.04 $\approx$ 624.04
.033	Dismantlable, transportable and temporary buildings. Degree of permanence of buildings		<i>The .04 special auxiliaries are preferably for use under 624</i>
.1	Dismantlable (and deflatable) buildings and structures	69.05	SITE, ORGANIZATION AND PLANT. INDUSTRIALIZED BUILDING, ERECTION. SITE TESTS. BUILDING FAILURES. BUILDING DURABILITY AND MAINTENANCE
.15	Inflated, deflatable (rubber or plastics) structures		Selection, investigation of the site. State of site at start of work
.2	Transportable buildings	.051	—624.131 Soil mechanics
.6	Temporary buildings. Emergency, makeshift buildings, huts	.052	Access roads to the site. Completed roads. Temporary roads
.8	Permanent (as opposed to temporary) buildings	.053	Determination of dimensions. Building height, width (frontage) and depth
.034	Buildings related to water. Floating buildings. Submerged buildings	.054	Marking out and setting out of planned structures and traffic areas
.2	Floating buildings		—528.44 Cadastral survey
.3	Buildings in water (not floating)		528.48 Engineering survey. Special fields of surveying
.4	Buildings partly in water		Dimensions with respect to the traffic
.43	Water level in relation to buildings partly in water		Dimensions with respect to the resistance offered to water flowing through bridges
	<i>Further particulars may be denoted by colon combination, e.g.</i>		Clearance heights or widths (spans) of passages or bridges
	69.034.43:624.15 Influence of water level on foundations	.2	Arrangement and organization of the site
.432	Normal water level. Permanent water level	.4	—624.132 Removal and transport of soil
.434	High water level	.5	624.152 Preparation, dewatering and enclosing of the foundation excavation
.436	Low water level	.055	69.057.7 Plant and equipment for handling and transport of site
.5	Buildings under water		
.6	Properties and composition of water as affecting structures in water		
.65	Evaporation		
.7	Deposits. Rubble. Boulders. Silt. Flotsam		
.71	Generalities. Origin etc.		
.72	Deposition. Precipitation		

69.055.2	Storage of materials and units. Protection against wet and heat. Equipment for preheating or cooling before placing	69.057	Industrialization of construction. Procedure for erection of prefabricated parts and whole structures. Prefabrication on or near the site. Shuttering. Scaffolding. Plant
.4	Protective measures and equipment according to regulations —331.45 Safety at work 662.2 Explosives <i>Further particulars may be denoted by colon combination, e.g.</i> 69.055.4:614.8 Accident prevention :614.89 Protective equipment for personnel	.1	—006.78 Dimensional standards 006.83 Standards for quality
.42	Protective measures for building in winter, in bad weather —69.03“324” Building in winter. Winter buildings <i>Further particulars may be denoted by the —7 special auxiliaries listed under 62, e.g.</i> 69.055.42—761 Protective coverings which also serve other purposes	.2	Prefabrication of building parts on or near the site. Field fabrication Assembly on site —621.88 Fastening, fixing devices. Fasteners 624.078 Design and calculation of structural connections, bearings, hinges and stiffeners 691.58 Bedding, filling, jointing materials. Levelling compounds. Mastics. Putties. Adhesives
.43	Protective measures for building in hot regions, in the tropics —69.03(213) Tropical and subtropical buildings	.3	(cancelled, superfluous)
.6	Temporary buildings on the site. Site offices. Workers' accommodation. Huts for equipment and tools etc.	.4	Erection, lifting, sinking, floating of single parts or complete structures
.7	Services <i>Further particulars may be denoted by colon combination, e.g.</i> 69.055.7:696.1 Water supply :696.2 Gas supply :696.6 Electricity supply	.43	Fixing and arranging of parts
.8	Temporary storage and cartage of rubble	.44	Erection of masts, chimneys, tanks and stationary structures for the support of moving loads
.056	Preparation of parts for industrialized construction —69.057 Industrialization of construction 693 Bricklaying and similar building crafts 694 Timber construction. Carpentry	.45	Erection by lifting methods. Erection by hoists, jacks, platforms etc. Lift-slab method
.1	Industrialized building systems <i>Specific systems may be denoted by alphabetic extension (Table I(h))</i> <i>Materials may be denoted by colon combination with the subdivisions of 691</i> <i>The type of building may be denoted by colon combination with the subdivisions of 72, e.g.</i> 69.056.1:728 Prefabricated homes	.46	Lowering into position of units or complete structures on the ground, e.g. lowering of a prefabricated dwelling house on to a prepared foundation slab or on to a base poured in situ
.2	Industrialized building systems according to weight <i>Further particulars may be denoted by the —183 special auxiliaries listed under 62, e.g.</i> 69.056.2—183.2 Heavy systems. Elements of density greater than 1000 kg/m ³ (concrete, bricks) —183.4 Light systems. Elements of density less than 1000 kg/m ³ (wood, light metals, plastics)	.47	Floating into position and sinking of large units or complete structures, e.g. bridge parts, underwater tunnels, pipelines
.3	Industrialized building systems according to interchangeability	.5	Shuttering (falsework, formwork or moulds). Centering <i>Materials may be denoted by colon combination with the subdivisions of 691, e.g.</i> 69.057.5:691.175 Plastics shuttering <i>Shapes and surface characteristics may be denoted by the —4 special auxiliaries listed under 62, e.g.</i> 69.057.5—408 Surface condition of forms. Smooth. Ribbed etc. —41 Formwork panels <i>Specific systems may be denoted by alphabetic extension (Table I(h)), e.g.</i> 69.075.5XX Shuttering system XX
.32	Open systems (interchangeable)	.51	Types of shuttering
.34	Closed systems (not interchangeable)	.512	Shuttering with special coatings or coverings
.5	Industrial building systems according to type of unit	.513	Shuttering and moulds incorporating means of heating
.52	Precast concrete plate structures (wall-like plates)	.514	Openwork shuttering
.53	Slab structures (room-high slabs)	.515	Coffering
.55	Skeleton structures (stanchions, frames) —624.94 Skeleton structures (steel, concrete etc.)	.516	Batteries
.56	Cell structures. Box structures (room-size cells)	.52	Forms. Shuttering for walls, partitions and generally for upright structural parts
.7	Industrialized building systems with built-in services	.528	Vertical and horizontal movable shuttering. Sliding forms. Climbing formwork
		.53	Shuttering for floors (and generally for horizontal parts of structures)
		.55	Inflatable, deflatable shuttering
		.58	Centering and forms for arches. Shuttering for piers, columns, chimneys, conduits, ducts etc. <i>The purpose may be denoted by colon combination, e.g.</i> 69.057.58:624.6.012.45 Centering for a reinforced concrete arch bridge
		.59	Permanent shuttering. Self-supporting shuttering
		.592	Permanent shuttering with facing layers
		.593	Permanent shuttering with sealing layers
		.594	Permanent shuttering with wire netting
		.596	Self-supporting shuttering —693.554 Reinforcement (steel)

69.057.6	Construction scaffolding. Scaffolding for workmen. Working platforms and staging	69.059.22:551.55	Damage caused by wind
.61	Construction scaffolding fixed to walls by beams	:551.577.61	Damage caused by precipitation (rain, snow, hail etc.)
.62	Scaffolding of poles. Tubular scaffolding	:551.578.48	Damage caused by avalanches
.63	Ladder scaffolding. Extension ladders	:556.3	Damage caused by groundwater
.64	Trestle scaffolding (light)	:614.83	Damage caused by explosions
.65	Flying scaffolding (cantilevered scaffolding). Centering for concrete or masonry structures	:614.841	Damage caused by fire
.66	Suspended scaffolding. Cradles. Gear for lowering, removal of scaffolding	:622.837	Damage caused by mining operations
.668	Saddle scaffolding. Ladders for work on roofs	:624.132	Damage caused by removal of soil
.67	Extension scaffolding. Telescopic scaffolding	:624.139.2	Damage caused by frozen ground
.68	Rolling scaffolding (on wheels)	:624.15	Damage caused by foundation work,
.69	Other types of scaffolding. Accessories for the construction of scaffolding	:624.152.612.2	Damage caused by pile-driving etc.
.691	Inflatable, deflatable scaffolding	:624.152.612.2	Damage caused by groundwater lowering
.692	Apparatus for assembly of scaffolding. Sole pieces. Foundations for scaffolding	:624.159.2	Damage caused by settlement, scouring
.693	Fittings for assembly of scaffolding. Cables, clips, wedges	:624.19	Damage caused by tunnels, tunnelling
.697	Rising scaffolding for building work	:627.51	Damage caused by flooding
.7	Plant and equipment for handling and transport on site	:628.15	Damage caused by water supply (mains bursts etc.)
	<i>Further particulars may be denoted by colon combination, e.g.</i>		
	69.057.7:621.867 Conveyors	69.059.25	Restoration. Repair
	:621.87 Cranes. Lifts. Hoists	.28	Collapse. Total loss
	:621.876 Lifts. Hoists		—69.059.7 Reconstruction
	:621.879 Excavators	.3	Strengthening. Alteration
	:625.31 Narrow gauge railways	.32	Strengthening of foundations and/or the construction by technical procedures, injections etc.
	:625.52 Cable-traction railways	.322	Temporary measures for securing stability.
	:629.114 Motor vehicles. Trucks. Lorries	.323	Horizontal strutting. Bracing
.058	Site tests. Investigation of complete structures	.324	Permanent shoring
.2	Measurements of deformation	.2	Permanent underpinning
.3	Measurements of the movement of complete structures	.3	Raising of structural parts, e.g. of foundation piers, towers, carriageway slabs
.4	Measurements of settlement	.3	Underjacking with concrete, plastics. Bricking-up
.5	Measurements of stress	.5	Plant and equipment. Jacks. Flat jacks etc.
.6	Measurements of uplift	.327	Protection against underwashing and scouring
.7	Measurements of temperature	.2	Coatings, packings in general
.8	Measurements of the dynamic effects of loads	.3	Sunk fascines. Chained blocks etc.
.059	Maintenance of buildings. Damage. Collapse. Dilapidation. Repair. Strengthening. Conversions. Displacing. Demolition. Reconstruction	.4	Advanced protective walls
.1	Maintenance in general	.35	Conversions. Structural alterations
.14	Inspection. Periodic inspection		—72.025.5 Change of use. Conversion
.16	Cleaning of buildings	.38	Architecture
.162	Removal of dust and dirt	.4	Extensions to existing buildings or floors.
.164	Removal of vegetation, microorganisms, fungi, moulds	.5	Annexes
.165	Removal of animal droppings (from birds, bats etc.)	.55	Life of buildings
.168	Cleaning methods	.6	Displacing, moving, raising of complete buildings
.2	Exhausting	.62	—69.057.4 Erection, lifting, sinking, floating of single parts or complete structures
.4	Washing down. Sprinkling		Plant and equipment
.42	With water		Demolition. Rubble
.44	With chemical agents		Demolition
.2	Damage. Dilapidation. Repair		<i>Procedures may be denoted by colon combination, e.g.</i>
.22	Damage		69.059.62:621.791.034 Using torches, lances etc.
	<i>Further particulars may be denoted by colon combination, e.g.</i>		:621.9.048.7 Particle-beam machining
	69.059.22:534.838 Damage caused by vibrations (from traffic, machinery)	.622	Demolition of undamaged buildings
	:550.348.436 Damage caused by earthquakes	.2	Dismantling for reassembly elsewhere
	:551.21 Damage caused by volcanic action	.623	Demolition of damaged buildings, ruins
	:551.435.627 Damage caused by landslides	.629	Broken material. Rubble. Debris
	:551.524.3 Damage caused by variation of the air temperature	.63	Clearance of rubble, debris
	:551.524.37 Damage caused by frost	.632	Removal and transport of rubble, debris
		.633	Dumping and storing of rubble, debris
		.2	Temporary. Pending further treatment

69.059.633.4	Permanent (in heaps or pits). Dumps	69.059.7	Reconstruction
.42	Siting and planting of dumps	.72	Reconstruction using the old foundation
.44	Filling-in of pits	.73	Reconstruction using the existing walls
.64	Utilization of rubble, debris, broken material		
.641	Use of specific materials	69.07	STRUCTURAL ELEMENTS. LOAD-BEARING MEMBERS
	<i>The material may be denoted by colon combination with the subdivisions of 691</i>		69.07 $\approx$ 624.07
.642	Use for original purpose, e.g. bricks from debris re-used as building bricks		<i>The .07 special auxiliaries are preferably for use under 624</i>
.643	Reprocessing for new purpose		
.1/.82	[cancelled, superfluous]		
.65/.653.4	[cancelled] — 69.059.7		

Principal divisions

691

BUILDING MATERIALS. BUILDING COMPONENTS

Materials testing details may be denoted by colon combination with the subdivisions of 620.1, e.g.

- 691:620.1 Testing of building materials
- :620.1.05 Testing machines and apparatus
 - :620.1.08 Principles and theory of measurement. Structure of measuring instruments
 - :620.115.8 Shape of specimens
 - :620.162.4 External and internal pressure testing
 - :620.17 Strength testing
 - :620.179.1 Non-destructive testing
 - :620.18 Structure testing
 - :620.19 Material defects and their testing. Protection of materials

State, condition and form of materials may be denoted by the — 4 special auxiliaries listed under 62, e.g.

- 691—404 Liquid state
- .8 Colloidal state in the liquid phase .112
 - .9 Semi-colloidal state. Pastes. Mashers. Doughs .113
 - 405.8 Porous form. Cellular. Sponge-like .115
 - 41 Flat objects .116
 - 412 Forms for further processing. Slabs .12
 - 413 Thick plate. Boards. Battens. Planks .13
 - 415 Thin plate Sheet .14
 - 416 Very thin sheet. Foil .14
 - 417.2 Corrugated plate and sheet .144
 - .4 Expanded plate and sheet .8
 - 418 Strip. Band. Ribbon .145
 - 419 Multi-layer plate and sheet. Laminated sheet .146
 - .4 Of two layers, joined without adhesive .147.2
 - .5 Of more than two layers, joined without adhesive. Sandwich construction .15
 - .7 Of two layers, joined with adhesive .16
 - .8 Strengthened by woven materials, fibres etc.
 - 42 Profiled objects. Sectional material
 - 422 Solid sections. Rods. Bars
 - 423 Sections with shaped profiles. Angles. U-sections. .161
 - T-sections. H-sections etc. .162
 - 426 Wires. Threads .163
 - 427 Objects made from wires or threads .165
 - .4 Ropes. Cables. Bundles .167
 - 431 Short prismatic objects. Bricks. Tiles. Blocks. Cubes .168
 - .17

- 691—434 Short cylindrical and conical objects
- 436 Spherical and spheroidal objects
 - 44 Shaped mouldings. Mitres. Dovetails
 - 45 Slotted, grooved and splined objects
 - 46 Hollow objects
 - 462 Pipes. Tubes
 - 478 Objects with perforations for weight reduction, air circulation etc. Hollow bricks
 - 492 Powders. Grains
 - 493 Flakes. Shavings. Chips
 - 494 Objects made of irregular fibres. Felt products

MATERIALS OF ORGANIC ORIGIN

Wood. Timber

Specific types of wood may be denoted by colon combination with the subdivisions of 674.03

—674 Timber and woodworking industry

Hardwoods

Softwoods

Wood waste. Sawdust. Wood wool
Plywood. Wood veneers. Laminated wood.
Laminated board

Plant stems. Straw (thatch). Reeds.

Bamboo

Cork. Cork substitutes

- 674.83 Cork making
- 674.84 Synthetic cork. Cork substitute

Paper. Pulp

691.14 $\approx$ 676

Building papers

Bituminous papers

Wallpapers

—698.16 Paperhanger's trade

Pulp boards. Cardboards. Millboard.

Strawboard

Fibreboard. Hardboard

Other fibrous materials. Textiles. Fabrics etc.

—677 Textile industry

Bituminous materials. Asphalt. Tar. Pitch etc.

—625.75 Surface treatment — Highway engineering

625.85 Asphalt paving. Bituminous paving

665.775 Asphalt bitumens

Bituminous materials without additions

Bituminous solutions

Bituminous emulsions

Bituminous felt. Bituminous board. Pitch board

Mastic asphalt

Asphalt concrete

Rubber, plastics and similar materials

—678 Macromolecular materials. Rubber industry. Plastics industry

691.173	Rubber	691.261.1	Clays. Bentonite
.175	Plastics	.2	Kaolin
.2	Plastics with fillers	.3	Feldspars
.3	Plastics with reinforcement.	691.263/.266	Various salts and other compounds
	Glass-fibre-reinforced plastic etc.	691.263/.266	≈ 553.63/.66, e.g.
.5/.8	Specific plastics	691.265	Gypsum. Alabaster
	691.175.5/.8 ≈ 678.5/.8, e.g.	.27	Fibrous and foliate silicates
	691.175.664 Polyurethane	691.27	≈ 553.67, e.g.
	.675 Nylon	691.273	Talc. Steatite. Soapstone
	.743 Polyvinyl chloride (PVC)	.276	Asbestos. Similar fibrous silicates
	.746 Polystyrene	.277	Mica
	.842 Silicones	.278	Vermiculite
.178	Gums. Resins and similar adhesives	691.3	ARTIFICIAL STONE. CONCRETE. VARIOUS AGGLOMERATES
.18	Materials of animal origin		—691.54 Cements. Pozzuolanic materials
.181	Skins. Hides. Leather	.31	Artificial stone. Reconstructed stone.
	—675 Leather industry. Processing of animal skins		Gypsum building products. Calcium silicate stone
.182	Hair. Feathers. Shells. Bone. Dung. Blood	.311	Gypsum and anhydrite building materials
.185	Bone glue. Size		<i>Specific forms may be denoted by the —4 special auxiliaries listed under 62, e.g.</i>
691.2	NATURAL STONES AND OTHER MINERALS		691.311—41 Gypsum slab. Gypsum plate
	—553.5 Natural stone deposits. Building, monumental and free stone — Economic geology		—419 Gypsum plasterboard
	553.6 Various inorganic economic minerals and earths — Economic geology	.316	Artificial sand-lime bricks. Calcium silicate stone. Lightweight lime-concrete bricks
	622.35 Natural stones. Building, monumental and free stone — Mining	.32	Concrete. Concrete building elements
	622.36 Various inorganic economic minerals and earths — Mining	.322	<i>For concrete construction — 693.5</i>
	679.8 Stone technology. Stone industry		<i>For manufacture of concrete — 666.97</i>
.21	Natural stones (according to origin and composition)		Aggregates, including lightweight aggregates. Breeze. Clinker. Slag. Pumice. Concrete aggregates in general
	691.21 ≈ 553.5, e.g.		<i>Specific materials may be denoted by colon combination with other subdivisions of 691</i>
.212	Plutonic stones. Granite. Syenite etc.		<i>Further particulars may be denoted by colon combination, e.g.</i>
.213	Volcanic stones and lavas		691.322:620.168.3 Particle size analysis. Grading
.2	Basalt. Andesite	.7	Abrasives
.4	Tuff. Trass	.327	Unreinforced concrete
.5	Pumice. Pozzuolana. Perlite		<i>Specific forms may be denoted by the —4 special auxiliaries listed under 62, e.g.</i>
.6	Porphyries		691.327—41 Concrete plates. Concrete slabs
.214	Metamorphic stones. Schists. Marble		—43 Solid concrete blocks.
.2	Slates. Roofing slates		Concrete tiles
.6	Quartzite	.3	Unreinforced lightweight concrete
.8	Marble	.32	Unreinforced lightweight aggregate concrete
.215	Sedimentary carbonate stones		<i>The aggregate may be denoted by colon combination with other subdivisions of 691, e.g.</i>
.1	Limestone. Dolomite		691.327.32:691.213.5 Pumice concrete
.3	(cancelled) — 691.214.8		Aerated concrete. Foamed concrete
.5	Chalk. Clunch		Aerated concrete
.6	Tufa. Travertine		Foamed concrete
.8	Solnhofen stone		Reinforced concrete. Prestressed concrete
.216	Calcareous sandstones	.33	<i>Specific forms may be denoted by the —4 special auxiliaries listed under 62, e.g.</i>
.217	Siliceous stones	.332	691.328—413 Reinforced concrete thick plates
.1	Sandstones	.333	—42 Sectional material
.7	Flint	.328	Reinforced concrete (concrete reinforced with steel). Reinforced concrete elements
.8	Kieselguhr		Prestressed concrete. Prestressed concrete elements
.22	Sand, gravel and similar aggregates		Reinforced lightweight concrete
	—691.322 Aggregates, including lightweight aggregates		With lightweight aggregates, normal reinforcement
	691.22 ≈ 553.62, e.g.		With aerated or foamed concrete, normal reinforcement
.222	(cancelled) — 691.217.7		With aerated or foamed concrete, prestressed reinforcement
.223	Sand	.4	Concrete with reinforcement other than steel
	<i>Further particulars may be denoted by the common auxiliaries of place (Table (e)), e.g.</i>	.42	Concrete reinforced with non-ferrous metals
	691.223(24) Pit sand	.43	Concrete reinforced with inorganic materials (other than metals)
	.223(26) Sea sand. Marine sand		
	.223(28) River sand		
.5	Coloured sand, e.g. green sand		
.7	Quartz sand		
.224	Gravel. Pebbles. Shingle		
.1	Gravel. Gravel chippings		
.2	Pebbles. Shingle		
.226	Sand-gravel mixtures. Sand-shingle mixtures		
.26	Various inorganic economic minerals and earths		
.261	Clays. Feldspars. Similar aluminium silicate deposits		
	691.261 ≈ 553.61, e.g.		

	<i>Further particulars may be denoted by colon combination with other subdivisions of 691, e.g.</i>		<i>Further particulars may be denoted by the —4 special auxiliaries listed under 62, e.g.</i>
	691.328.43:691.618.92 Concrete reinforced with glass fibres		691.433—431 Stoneware bricks Stoneware tiles (paving tiles)
691 328.44	Concrete reinforced with organic materials <i>Further particulars may be denoted by colon combination with other subdivisions of 691, e.g.</i>	691.434	—462 Stoneware p.pes Glazed earthenware. Faience Terra-cotta. Whiteware Faience, terra-cotta for facings etc. Whiteware, e.g. sanitary ware, wall tiles Fireclay-ware, e.g. sanitary ware Other ceramic products. Porcelain products etc
	691.328.44:691.12 Concrete reinforced with bamboo	.2 .3 .7 49	
5	Reinforced cement products. Asbestos cement products etc.		
33	Concretes and artificial agglomerates with inorganic binders other than cement	691 5	BINDERS. BEDDING MATERIALS
332	Concretes and agglomerates with pozzuolanic binders and lime or gypsum additives. Silicate concrete. Lime concrete —691 316 Artificial sand-lime bricks. Calcium silicate stone. Lightweight lime-concrete bricks	.51 .511 512 .53	—666.97 Mortar and concrete industry. Manufacture of precast concrete components under factory conditions 666.98 Reinforced cement (ferro-cement) and reinforced concrete. Prestressed concrete
.2	Reinforced silicate concrete		Limes Ordinary lime Hydraulic lime
.3	Prestressed silicate concrete		Mortars in general <i>The purpose may be denoted by colon combination, e.g.</i>
.4	Silicate concrete with lightweight aggregate		691.53:693.2 Masonry mortar Clay mortars Gypsum mortars —691.553 Gypsum plasters. Anhydrite plasters
.5	Aerated silicate concrete. Foamed silicate concrete. Lightweight lime concrete		Lime mortars Mild mortars Lime-gypsum mortars Cement-lime mortars Lime-trass mortars Cement mortars Synthetic resin mortars
.333	Concretes and agglomerates with pozzuolanic binders and alkalies or hydraulic activators. Soil-silicate concrete	.532 .533	Cements. Pozzuolanic materials Roman cement Portland cement Other cements. High-alumina cement etc. Pozzuolanic materials
.2	Reinforced soil-silicate concrete		Plasters —693.6 Plasterers' trade. Finishing work Mud. Earth. Dung. Blood. Other primitive mixtures Gypsum plasters. Anhydrite plasters <i>The purpose may be denoted by colon combination, e.g.</i> 691.553:693.63 Gypsum plaster for stucco
.334	Concretes and agglomerates with magnesium-based binders	.534	Gypsum-anhydrite plasters Anhydrite plasters —692.533.1 Jointless floorings Gypsum hemi-hydrate plasters. Keene's cement Lime plasters Cement plasters Synthetic plasters [cancelled] — 691.53, 691.55
.335	Concretes and agglomerates with other inorganic binders	.2 .3 .4 .5	Paints. Distempers. Varnishes. Stains. Preservatives —667.6 Coatings and coating techniques. Paints. Varnishes. Lacquers 698.1 Painting and decorating trades
.34	Concretes and artificial agglomerates with organic binders		Bedding, filling, jointing materials. Levelling compounds. Mastics. Putties. Adhesives —666.968 Bedding, bonding and sticking materials (adhesives). Cementing materials for particular substances <i>The purpose may be denoted by colon combination, e.g.</i> 691.58:693.6 Plasterers' putty :698.1 Painters' mastic :698.3 Glaziers' putty
.342	Synthetic resin concretes. Plastic concretes —691.175.2 Plastics with fillers 691.537 Synthetic resin mortars	.535 .537 .54 .541 .542 544 545 .55	Bedding materials. Filling materials Sealing materials Adhesives
691.4	EARTH. COB. CLAYWARE. STONEWARE. CERAMIC BUILDING MATERIALS —666.3/.7 Ceramics industry	.541 .542 544 545 .55	
.41	Dried earth. Adobe. Mud. Pise-de-terre. Cob (unburnt, puddled clay)		
.42	Heavy ceramics or clayware. Burnt clay. Ordinary and refractory bricks. Paving tiles. Roofing tiles <i>Specific forms may be denoted by the —4 special auxiliaries listed under 62, e.g.</i> 691.42—462 Clayware pipes	.552 .553	
.421	Bricks (ceramic) <i>Specific forms may be denoted by the —4 special auxiliaries listed under 62, e.g.</i> 621.421—431 Solid bricks —478 Perforated bricks <i>Named types may be denoted by alphabetic extension</i>	.2 .3 .4 .554 .555 .557	
.2	Ordinary bricks (clay bricks)		
.24	Long-fired bricks. Clinker bricks	.56	
.4	Facing bricks —692.232.4 Weather-resisting parts. Claddings. Facings	57	
.42	Glazed bricks		
.7	Refractory bricks. Chemically resistant bricks —666.76 Refractory bodies and products 666.77 Chemically resistant heavy clay bodies and products. Acid-resistant and corrosion-resistant clayware in general	.58	
.76	Refractory bricks (fire-resisting bricks). Firebricks		
.77	Chemically resistant bricks. Alkali-resistant bricks. Acid-resistant bricks		
.424	Roofing tiles		
.43	Glazed, porous or semi-porous ware. Salt-glazed ware		
.432	Salt-glazed ware in general	.585	
.433	Stoneware	.587 .588	

691.6	GLASS. WINDOW GLASS. PLATE GLASS. ENAMEL ETC. —666.1 Glass industry. Glass technology. Glass manufacture. Glass in the comprehensive sense 686.6 Glazing. Glass cutting 698.3 Glazing. Glazier's trade 691.61/.62 $\approx$ 666.1/.2, e.g.	691.88	Fixing accessories (fasteners). Dowels. Nails. Bolts. Screws. Clips. Fixing brackets etc. <i>Further particulars may be denoted by colon combination with the subdivisions of 621.88</i>
.615	Flat glass	692	STRUCTURAL PARTS AND ELEMENTS OF BUILDINGS
.1	Sheet glass in general	692.1	FOUNDATIONS OF BUILDINGS —69.055 Arrangement and organization of the site
.5	Laminated safety glass		Earthworks in general —624.13 Geotechnics. Soil mechanics. Earthworks. Frozen ground engineering
.7	Double glass. Multi-pane glass. Insulating glass		Foundations. Substructure in general —624.15 Foundations
.616	Rolled flat glass	.113	
.2	Plate glass		
.4	Patterned glass. Cast glass		
.6	Armoured glass. Wired glass		
.618.1	Prestressed glass. Toughened glass	.115	
.4	<i>[cancelled]</i> — 691.616.6	692.2	WALLS. PARTITIONS <i>Construction details may be denoted by colon combination with the subdivisions of 693/694, e.g.</i>
.5	Pressed glass		692.2:693.2 Brick or block walls :693.3 Cob walls :694.5 Light timber walls
.54	Construction glass. Glass bricks. Glass roofing tiles etc. <i>Specific forms may be denoted by the —4 special auxiliaries listed under 62</i>		Boundary walls and party walls in general Boundary walls enclosing open spaces, gardens etc. (including gateways) Party walls <i>For legal aspects — 347.238.2</i> <i>Further particulars may be denoted by colon combination, e.g.</i> 692.214:699.81 Fire-resisting party walls :699.844 Sound-proof party walls
.7	<i>[cancelled]</i> — 691.616.4, 691.626	.21	
.92	Glass wool. Glass fibres	.212	
.93	Foam glass	.214	
.619.8	Mineral fibres. Mineral wool		
.624	Transparent coloured glass		
.72	Sun glass (glass for excluding actinic rays)		
.73	Heat-absorbing glass (glass for excluding infra-red rays)		
.626	Opal glass. Ornamented glass. Various glasses with special properties		
.628	Engraved glass. Cut glass. Matt glass		
.629	Enamels. Glazes	.22	Walls below damp-proof course level. Parts below ground generally <i>Further particulars may be denoted by colon combination, e.g.</i> 692.22:692.115 Foundation walls :692.51 Sleeper walls :699.82 Damp-proof courses
691.7	METALLIC BUILDING MATERIALS —669 Metallurgy	.23	Exterior, external walls. Enclosing walls above ground in general. Walls in elevation. Facades —692.29 Wall details in general 721.011.6 Exteriors: forms, parts, elevations — Architecture <i>Further particulars may be denoted by colon combination, e.g.</i> 692.23:699.86 Thermal insulation of external walls :72.017 Optical effects
.71	Iron. Steel	.231.2	Load-bearing exterior walls
.713	Cast iron —672.1 Cast iron and steel articles	.3	Non-load-bearing exterior walls
.18	Malleable cast iron	.232	Exterior walls and facings. Weather-resisting parts Solid walls Solid walls of natural or artificial masonry Solid walls of concrete (in-situ concrete) Solid walls of plain units. Slab walls Solid walls of three-dimensional units. Angle units. Cellular units, boxes Cavity walls. Double-shell walls Walls with impervious skins Weather-resisting parts. Claddings. Facings With small units. Tiles, slates etc. Weather boarding With large units. Sheets etc. Curtain walling. Curtain walls Infilling walls to framed structures <i>The material may be denoted by colon combination with the subdivisions of 691, e.g.</i> 692.232.7:691.327.3 Infilling walls of unreinforced lightweight concrete
.714	Steel		
.018.8	Stainless steels. Non-corrosive steel		
.122	Wrought iron —682.6 Building ironwork		
.124	Mild steel		
.72	Non-ferrous metals in general —673 Articles of non-ferrous metals other than precious metals		
.73	Copper. Copper alloys		
.735	Bronzes. Brass. Gun-metal		
.74	Lead		
.75	Zinc		
.77	Light metals in general		
.771	Aluminium. Aluminium alloys		
691.8	SIMPLE UNITS. BUILDERS' HARDWARE —682.6 Building ironwork 683 Ironmongery. Hardware. Locksmithing. Gunsmithing. Bottling. Lamps. Stoves <i>Specific shapes may be denoted by the —4 special auxiliaries listed under 62, e.g.</i> 691.8—41:699.844 Sound-absorbing slabs. Acoustic slabs :699.86 Thermal insulation slabs	.1 .12 .13 .14 .15 .2 .3 .4 .42 .44 .45 .7	
.81	Prefabricated simple units <i>For large complex components and sectional units — 69.057.1</i>		
.87	Building materials for strengthening and reinforcing in general —693.1 Masonry in natural stone. Rubble masonry 693.25 Masonry in brickwork 693.554 Reinforcement (steel) for concrete 693.564 Prestressing reinforcement for prestressed concrete 693.613.8 Lathing (for plaster work)	.233	Details of exterior walls. Various related parts according to location. Projections etc.

	<i>Further particulars may be denoted by colon combination, e.g.</i>	692.415.2	Roof coverings of materials requiring steep pitch
	692.233:699.82 Weather-proofing of projections	.3	Roof coverings of small units overlapping or interlocking (joints dry or filled)
692.233.2	—692.29 Wall details in general	.5	Large sheet coverings, self-supported between purlins (flat, corrugated or ribbed)
	Details of wall-heads and roof junctions.		Roof coverings requiring support throughout
	Eaves. Cornices. Parapets	.6	Shapes of roofs. Roof construction
.23	Wall-head details at eaves	.42/.47	Plane framework systems. High-pitched and low-pitched roofs
.25	Wall-head details with parapet walls.	.42	Rafter-pitched roofs. Lean-to roofs
	Copings to parapet walls		Simple rafter-pitched roofs. Lean-to roofs.
.3	Pediments. Gables	.421	Couple roofs. Collar-beam roofs.
.237	Details at floor and wall junctions.	.1	Close-coupled roofs
	Spandrel-beams. Window-spandrels		Simple span roofs with purlins, with periodic trussed rafters (not true trusses) or purlin struts
.238	Balconies. Canopies. Other cantilevered projections	.2	Roofs with trussed rafters (scissor-rafters)
.5	Balconies		Moderate span roofs with trusses (king-post trusses, queen-post trusses etc.)
.7	Canopies. Marquises		Hipped roofs (including curbed roofs with upper part hipped and hipped roofs with upper part gabled)
.239	Details of ground level, e.g. entrances	.4	Curb roofs, mansard roofs, gambrel roofs (with full trusses or purlin posts),
.24	Internal walls. Cross-walls	.5	high-pitched and low-pitched. Demi-curb roofs
.241.2	Load-bearing cross-walls		Shed roofs. North-light roofs. Sawtooth roofs
.3	Non-load-bearing cross-walls	.422	Larger-span roofs
.25	Partitions		Flat roofs. Roof terraces (terrace roofs).
	—693.6 Plasterers' trade. Finishing work		Sealed flat roofs
	694.5 Light timber constructions	.423	Flat roofs
	694.6 Joinery		Understressed flat roofs
.251	Light slab partitions (breeze, terra-cotta, gypsum etc.)		Roof terraces (terrace roofs)
.253	Framed partitions	.425	Sealed flat roofs
	<i>Covering materials may be denoted by colon combination with the subdivisions of 691, framing by colon combination with the subdivisions of 693/694, e.g.</i>		Three-dimensional framework systems
	692.253:691.311—419 Gypsum plasterboard partitions	.432	Cupolas. Dome-shaped roofs. Vaulted roofs
	.694.5 Timber-framed partitions.	.433	Schwedler domes
	Stud partitions	.435	Zimmerman domes
.256	Temporary partitions. Structural plywood partitions. Glazed partition screens etc.	.44/.47	Domes with ribs
.29	Wall details in general	.44	Latticework domes. Network domes
	—692.233 Details of exterior walls	.442	Lamella roofs
.292	Projections. Corbels. Offsets. Cornices.	.443	Pavilion roofs. Steeples
	String-courses. Plinths. Dadoes.	.444	Shell roofs
.294	Wainscoting and skirtings (interior)	.445	Folded-plate roofs
.295	Junctions. Corners. Angles. Quoins. Splays	.446	Suspended roofs
.297	Walls curved in plan	.447	Roof trusses. Plate roof girders. Frame trusses. Structural parts
.298	Wall piers. Buttresses. Isolated piers	.45	—624.078.4 Connections and their calculation. Points of junction.
.299	Recesses. Chases	.46	System centres
	Wall openings and their surroundings in general. Voids. Doorheads. Lintels. Reveals.	.47	Parts of trusses with mixed members
	Sills. Thresholds	.48	Roof parts. Roof details. Roof openings.
	—692.81 Doors. Gates		Roof glazings. Roof lights
	692.82 Windows	.484	Roof openings. Skylights. Dormers. Lucarnes.
692.4	ROOFS AND ROOFING. SHAPES OF ROOFS. ROOF CONSTRUCTION AND STRUCTURAL PARTS. ROOF ACCESSORIES	.49	Lanterns. Roof lights
	—624.042 Calculations of loads and stresses	.492	Ridge turrets
	624.072 Elements for taking axial stress	.493	Patent glazing
	694 Timber construction. Carpentry	.497	
	<i>The purpose may be denoted by colon combination with the subdivisions of 72, e.g.</i>	692.5	FLOORS. INTERMEDIATE FLOORS. FLOORINGS. CEILINGS
	692.421.1:728 Rafter-pitched roofs for residential buildings	.51	Floors resting on the ground or on sleeper walls
	.425:725.4 Shed roofs for factories		<i>Further particulars may be denoted by colon combination, e.g.</i>
	.44:726 Cupolas for churches		692.51:699.82 Damp-proofing membranes
.41	The roof as protective covering.	.52	Suspended and elevated floors. Subfloors.
	Weather-resisting features of roofs. Slope and pitch. Covering materials		Deckings. Indoor balconies and galleries
.412	Relation to climate. Roof drainage.		—692.43 Flat roofs. Roof terraces (terrace roofs)
	Precautions against tropical rain and other elements. Snow protection etc.	.522	Fire-resisting floors. Flat slab floors. Ribbed slab floors. Precast beam floors. Hollow tile floors
	<i>Further particulars may be denoted by colon combination, e.g.</i>		—624.073.136 (Plates) on supports without mushroom heads, e.g. flat ceilings
.413	692.412:551.5 Climate factors		624.073.5 Plate-like frames, e.g. beam grillages, cast-in-place concrete grillages, ribbed floors
.2	Roof slope. Run and rise. Angle of inclination		
.415	Overhanging roofs		
	Roof coverings. Roof materials		

692.522.2	Solid slab floors	692.622.12	Independent of buildings. Terrace steps etc.
.3	Flat slab floors (including mushroom-type)	.14	Attached to buildings. Front steps. Fire escape stairs etc.
.4	Ribbed floors (with or without hollow blocks)	.2	Inside, interior staircases
.8	Hollow tile or pot floors (of terra-cotta etc.)	.22	Stairs connecting floors or storeys
.526	Timber floors (solid timber floors, wooden joist floors)	.24	Stairs leading to cellar or basement
	<i>Further particulars may be denoted by colon combination, e.g.</i>	.623	Fixed ladders
	692.526:694.4 Solid timber floors	.1	Step-irons for manholes, chimneys etc.
	:694.5 Wooden joist floors	.3	—628.253.2 Ladders. Step-irons
.528	Deckings. Ribbed panels of sheet steel etc.	.5	Rung-ladders. Walkways
.53	Floorings. Floor finishes (wearing surface) including skirtings and coves of same material		Collapsible, sliding or disappearing ladder-stairs with trap-door access. Roof ladders. Loft ladders
	<i>For floor coverings (mats, carpets) in home economics — 645.1</i>	.8	—692.79 Trap doors. Cellar flaps
	<i>For plinths, skirtings etc. — 692.292</i>	.625	Ladder-stairs (with treads but no risers)
	<i>For step-coverings — 692.635.3</i>		Staircases and stairways according to design or shape
	<i>For floor tiling and paving — 693.7</i>	.1	Straight flights with fliers but no winders, with or without landings
.533	Floorings of mineral material or metal	.2	Straight flights with fliers or winders, and change of direction at landings
	<i>For fire-resisting floors — 692.522</i>	.4	Winding stairs (helical stairs, spiral stairs, circular stairs, turret stairs)
.1	Floorings of compositions, concrete etc.	.42	Winding stairs with open well
.11	Magnesite floorings	.45	Winding stairs supported on central newel
.12	Mastic asphalt floorings	.626	Other types of stairs
.13	Flooring compositions based chiefly on cement	.63	Parts of stairs and staircases
	<i>Further particulars may be denoted by colon combination, e.g.</i>	.631	Newels of helical stairs
	692.533.13:691.11 Cement-wood floorings	.632	Newel posts
	:691.163 Cement-bitumen floorings	.633	Handrails. Balusters and balustrades, including landing railings
	:691.173 Cement-rubber floorings	.635	Solid steps. Treads. Risers
	:691.178 Cement-resin floorings	.1	Treads. Nosings
.15	Concrete floorings	.2	Risers
.2	Terrazzo floorings	.3	Covering material of steps
	—666.963 Terrazzo and similar inorganic cement-based mixtures	.637	Strings and carriages
.3	Mosaic and similar floorings	.64	Landings. Platforms
.4	Tiled floorings. Small slab floorings. Block floorings	.65	Inclined planes. Ramps
.42	Tiled floorings (of clay, brick, terra-cotta, concrete, limestone etc.)	.66	Lifts
.421	Tiled floorings in natural stone		—621.876 Lifts. Escalators. Hoists
.422	Tiled floorings in artificial stone	.67	696.6 Electrical installations
.44	Metal slab floorings. Metal block floorings		Moving stairs. Escalators
.46	Composition block floorings		621.876.3 Lifts for continuous operation.
.5	Flagstone floorings. Similar large slab floorings		Escalators
.535	Floorings of non-mineral materials	692.7	ACCESSORY PARTS OF CONSTRUCTION. CHIMNEYS. VENTILATING SHAFTS. DUCTS. ACCESS COVERS
.1	Timber floorings	.71	Chimneys. Chimney stacks. Flues
.11	Board or strip floorings	.711	—697.8 Chimneys. Flues
.12	Sheet floorings. Plywood floorings. Veneer floorings etc.	.713	Fireplaces (hearths)
.13	Wood block floorings. Parquet floorings. Overlay strip floorings. End-grained paving blocks etc.	.8	Smoke flues
.5	Cork floorings. Linoleum floorings	.74	Access for cleaning flues. Soot-doors
.52	In sheet form	.75	<i>For chimney, flue cleaning — 697.88</i>
.54	In tile form	.756	Ventilating shafts
.6	Rubber floorings. Plastics floorings	.3	Various chutes and accessories
	692.535.6 ≈ 692.535.5	.758	Fuel chutes. Coal chutes
.7	Floor grilles (of metal or wood)		Horizontal covers. Coal-hole plates etc.
.54	Ceilings. Suspended ceilings		Refuse chutes
	—692.52 Suspended and elevated floors. Subfloors. Deckings. Indoor balconies and galleries	.77	—628.46 Urban cleansing. Collection and removal of refuse
	<i>Further particulars may be denoted by colon combination, e.g.</i>	.78	628.47 Disposal and utilization of urban refuse
	692.54:693.61 Plastering of ceilings	.782	696.139 Solid refuse disposal.
692.6	STAIRS. RAMPS. LIFTS. ESCALATORS	.783	Incinerators
.61	Generalities. Dimensions. Pitch. Number of steps per flight. Headroom		Service ducts for pipes etc. Cable ducts.
.62	Types of stairs. Fixed ladders		Heating ducts. Walkable ducts (heavy duty ducts)
.622	Stairs, stairways, staircases according to location		Means of access to services (horizontal covers etc.)
.1	Outside, exterior stairs, steps. Perron, terrace or front steps		Covers or gratings for trenches and ducts (continuous access)
			Manhole frames. Manhole access covers
			<i>Further particulars may be denoted by colon combination, e.g.</i>
			692.783:621.315.23 For electric cable conduits
			:628.253 For sewers or drains generally
			:696.134.2 For house drains

692.783.5	Manholes according to position and traffic loads	692.83	Shutters. Blinds
.52	Heavy duty	.831	Rigid shutters. Lattice shutters Venetian shutters
.53	Light duty	.833	Blinds. Draw blinds. Venetian blinds
.784	Small access boxes. Clap boxes for water mains, gas mains	.834	Roller shutters (for windows)
	—621.646.92 Housings (for valves etc.)	.836	—692.815.4 Roller-shutter doors
.79	Trap doors. Cellar flaps		Awnings. Sun canopies. Weather-protection canopies
.792	Horizontal shut	.84	Ventilating and sealing devices for doors and windows
.796	Vertical shut	.842	Ventilating devices and fittings
692.8	DOORS. GATES. WINDOWS. SERVICE OPENINGS	.843	—697.921.2 Natural ventilation
	—683.3 Locksmithing. Door furniture	.848	Sealing devices. Draught excluders etc.
	692.299 Wall openings and their surroundings in general		Air-tight, gas-tight sealing devices (hermetic sealing devices)
.81	Doors. Gates		<i>Further particulars may be denoted by colon combination with the subdivisions of 699.87</i>
	—692.79 Trap doors. Cellar flaps		Fanlights
.811/.815	Doors according to construction	.86	Service and observation openings.
.811	Hinged or pivoted gates and doors	.87	Closures. Grilles
.1	Ordinary side-hinged gates (shutting against posts)	.871	Service hatches, grilles
.4	Ordinary side-hinged doors (shutting against rebated frames)	.876	Observation and inspection openings and closures. Panels, peep-holes etc.
.6	Swing doors	.88	Fencing. Railings. Turnstiles and similar gates
.7	Revolving doors (lobby doors)		Railings. Palings
.812	Sliding gates and doors	.882	Turnstiles. Admission gates
.2	Sliding horizontally	.888	
.5	Sliding vertically. Lift gates. Portcullis etc.		
.813	Grille type gates and doors (rolling grille, articulated scissor-type grille)	692.9	ANCILLIARY PARTS, FIXTURES AND FITTINGS
.814	Folding or telescopic gates and doors		—691.88 Fixing accessories for building purposes
.1	With hinged flaps		<i>Further particulars may be denoted by colon combination, e.g.</i>
.3	Accordion-type doors (bellows-type doors)		692.9:628.94 Lamps
.815	Combined types		:631.345 Supports for plants
.1	Overhead balanced sliding doors		:646.652 Shoescrapers
.2	Sliding-folding doors		:673.5 Bells. Carillons. Chimes
.3	Folding-swing doors		Exterior fixtures and fittings. Posts, masts and their sockets etc.
.4	Roller-shutter doors		Interior fixtures and fittings. Hooks. Pegs. Brackets etc.
	—692.834 Roller shutters (for windows)	.92	
.817	Doors according to purpose	.97	
.1	Entrance doors (external doors)		
.3	Room doors (internal doors)		
.7	Jib doors. Concealed doors (secret doors)		
.82	Windows	693	BRICKLAYING AND SIMILAR BUILDING CRAFTS
	—692.299 Wall openings and their surroundings in general		
	692.492 Roof openings. Skylights.	693.1	MASONRY IN NATURAL STONE. RUBBLE MASONRY (SLIGHTLY, OR NOT DRESSED, ROUGH RUBBLES, ERRATICS)
	Dormers. Lucarnes. Lanterns.		Stone cutting and dressing. Dimensions of stones. Face-work
	Roof lights	.12	—679.8 Stone technology. Stone industry
	698.3 Glazing. Glazier's trade		691.2 Natural stones and other minerals
.821	Casement windows Top-hung casements. Bottom-hung casements. Pivoted windows		Stone walling (bond, shape of stones, bedding, joints). Random, random-coursed and regular work set dry or in mortar
.1	With pivots located towards the sides	.15	Rubble work (including rubble masonry with cut stone quoins, piers and lacing courses)
.2	With vertical axis	.152	Stones squared and bedded.
.3	With horizontal axis	.154	Block-in-course
.5	Side-hung casements	.156	Ashlar. Facing work. Rubble ashlar (ashlar facing with coursed backing of rubble). Brick ashlar (ashlar facing backed with brick)
.53	Opening outwards	.157	Composite masonry, e.g. brick and stone on face-work
.54	Opening inwards	.158	Artificial stone. Terra-cotta and similar face-work
.6	Top-hung casements. Bottom-hung casements		
.61	Top-hung casements (opening outwards)	693.2	MASONRY OF TREATED MATERIAL, STONES, BLOCKS ETC.
.62	Bottom-hung casements (opening inwards)	.21	Masonry of dressed natural stones.
.822	Sliding windows Sash windows	.22	Cut-stone masonry. Ashlar masonry
.2	Sliding vertically Sash windows	.221	Bricklaying. Brick bonds. Mortar joints
.3	Sliding horizontally or sideways	.224	Dimensions. Height of brick courses.
.823	Combined types. Sliding-folding windows etc.	.24	Horizontal dimensions
.824	Display windows. Shop windows		Joints. Pointing
.826	Composite windows projecting in plan. Bay windows. Bow windows. Corner windows		—691.53 Mortars in general
.827	Special details. Safety frames Screens (flyscreens). Gauze, protectors of various types		Masonry of loam bricks (air-dried), loam blocks, loam ashlar
.828	Arrangements to protect against dirt and condensation on windows		
.829	Other matters relating to windows		
	<i>Further particulars may be denoted by colon combination, e.g.</i>		
	692.829:698.3 Glazing details		

	<i>Further particulars may be denoted by the — 183 special auxiliaries listed under 62, e.g.</i>		<i>Location may be denoted by the common auxiliaries of place (Table I(e)) e.g.</i>
	693.24 — 183.4 Masonry in lightweight loam bricks	693.546 1	Placing (continuous or batch), e.g. by barrows or trucks
693.25	Masonry of brickwork (burnt bricks)	.2	Placing by chute, conveyor or similar devices
27	Masonry of blocks, purpose-made bricks prefabricated units in concrete or similar artificial masses	3	Placing by pumping, spraying injecting or similar methods
	<i>Materials may be denoted by colon combination with the subdivisions of 691, shape by the — 4 special auxiliaries listed under 62 e.g.</i>	4	Compacting by vibrating. Vibrated concrete (e.g. with external vibrators on formwork)
	693.27:691.327 — 478 Masonry of hollow concrete blocks	.41	Direct surface vibration. Pervibration
28	Block laying (as opposed to bricklaying)	.42	Indirect vibration, e.g. tamping (transvibration combined or mixed vibration)
.29	Composite masonry. Masonry of various kinds of natural and/or artificial stones, blocks, units etc.	.5	Ramming, rodding Other methods of compacting
	<i>Materials may be denoted by colon combination with the subdivisions of 691, shape by the — 4 special auxiliaries listed under 62 e.g.</i>	.7	Finishing. Screeding. Floating
	693.29 691.421 — 472.691.316 Masonry of perforated bricks and sand-lime bricks	547	Curing (including steam curing), heating, cooling and other measures during setting and hardening
		.1	Curing methods
		.12	Water or wetted coverings
		13	Membranes or special solutions
		.14	Steam curing
		.2	Vacuum treatment. Vacuum concrete
		3	Cold-weather concreting. Concrete construction in frost
693.3	MASONRY OF STABILIZED EARTH. PISE-DE-TERRE ETC	32	— 69.03 "324" Building in winter. Winter buildings
	— 693.24 Masonry of loam bricks (air-dried), loam blocks, loam ashlar	.34	Heating
		.4	Protection from frost and cold
		.6	Cooling mass concrete
		.63	Hot-weather concreting. Wetting surfaces during curing. Wet coverings
693.5	CONCRETE CONSTRUCTION WORK. CONCRETING. IN-SITU CONCRETE MASS CONCRETE REINFORCED CONCRETE PRESTRESSED CONCRETE	.64	Use of ice or refrigerants
	— 624.012.3 Structures in precast concrete	.7	Protection from heat
	624.012.4 Structures in concrete, in-situ concrete, mass concrete	.8	Protection from vibration or other mechanical influences
	624.04 Structural design. Graphical and analytical statics for investigation and calculation of structures	.548	Removal of formwork. Time of removal of formwork. Cleaning of forms
	666.97 Mortar and concrete industry		— 69.057.5 Shuttering (falsework, formwork or moulds) Centering
	691.32 Concrete. Concrete building elements		Surface treatment. Exposed concrete
	693.95 Concrete-framed skeleton		— 620.193 Physical and chemical influences Corrosion. Resistance to attack — Materials testing
.54	Concreting technique in general. Plain concrete (mass concrete)		620.197 Protection of materials — Materials testing
.542	Batching. Mixing. Proportioning of mix Control of consistency	2	693.6 Plasterer's trade. Finishing work
	<i>Materials may be denoted by colon combination with the subdivisions of 691 For aggregates — 691.322</i>	6	698.1 Painting and decorating trades
.3	Batching	.8	699.82 Damp-proof and waterproof construction
.33	By weight		Treatment for hardness. Non-dusting.
.34	By volume		Ingredients included in the mix for curing
.4	Additions (admixtures). Air entrainment. Waterproofer. Accelerators Plasticizers	.55	Treatment with machines or tools after setting. Brushing. Grinding. Scraping.
5	Mixing. Use of concrete mixers. Control of consistency		Washing out (concrete with aggregate exposed by washing). Cutting
.51	Mixing by hand		Coating. Impregnating. Colouring. Painting. Metallizing
.52	Machine-mixing. Use of concrete mixers		Reinforced concrete construction
.523	Mixing in gravity mixers		<i>The subdivisions of 693.54 should be used for batching mixing, placing and treatment of concrete, unless specifically concerned with reinforced concrete, e.g.</i>
.524	Mixing in stirrer-type mixers		693.556.4 Vibrated reinforced concrete
.526	Mixing in continuous mixers		<i>For design, properties, testing and defects — 691.328</i>
.527	[cancelled] — 693.542.53	552	— 693.95 Concrete-framed skeleton
.53	Ready-mixed concrete		Batching. Mixing
.537	Truck mixers. Mixer lorries	.554	693.552 — 693.542
.54	Control of consistency		Reinforcement (steel)
.546	Placing and compacting the concrete		<i>Aspects of statics may be denoted by colon combination with the subdivisions of 53, e.g.</i>
	— 69.057.5 Shuttering (falsework, formwork or moulds). Centering		693.554:531.222 Tension reinforcement
			:531.223 Compressive reinforcement

693.554:531.224 Bending reinforcement		693.556.42 Indirect vibration, e.g. tabling (transvibration, combined or mixed vibration)
:531.225 Torsion reinforcement		Curing (including steam curing), heating, cooling and other measures during setting and hardening
:531.226 Shear reinforcement		693.557 $\cong$ 693.547
:539.61 Adhesion	693.557	Surface treatment
<i>The type of steel may be denoted by colon combination with the subdivisions of 669.14, e.g.</i>		693.558 $\cong$ 693.548
693.554:669.14.018.292 Reinforcement of high-quality structural steel	.558	Prestressed (reinforced) concrete construction
<i>Other reinforcing materials may be denoted by colon combination with the subdivisions of 691, e.g.</i>	.56	<i>The subdivisions of 693.54 should be used for batching, mixing, placing and treatment of concrete, unless specifically concerned with prestressed concrete</i>
693.554:691.175.675 Reinforcement of nylon		<i>For design, properties, testing and defects — 691.328.2</i>
<i>Specific shapes of reinforcement may be denoted by the — 4 special auxiliaries listed under 62, e.g.</i>	.562	Batching. Mixing
693.554—408.62 Plane reinforcement		693.562 $\cong$ 693.542
—408.64 Curved reinforcement	.564	Prestressing reinforcement. Prestressed steel.
—408.7 Smooth reinforcement		Prestressing
—408.8 Ribbed reinforcement		693.564 $\cong$ 693.554
—417.4 Expanded reinforcement	.1	Preparation of prestressing material
—422.2 Bar reinforcement. Rod reinforcement	.2	693.564.1 $\cong$ 693.554.1
—427.4 Rope reinforcement. Cable reinforcement	.22	Position of prestressing steel in concrete
—427.5 Network reinforcement. Latticework reinforcement. Mesh reinforcement	.23	Longitudinal prestressing reinforcement.
—428.2 Helical reinforcement	.25	Continuous prestressing reinforcement
—486 Fibrous reinforcement. Fibres	.3	Longitudinal and transverse prestressing reinforcement
.554.1 Preparation and assembly of reinforcement.		Bedding of prestressing cables in prestressing ducts (metal sheath, inflatable rubber ducts or other cavities)
Bending. Butting. Screwing. Welding. Cutting	.4	Pretensioning with immediate adhesion.
<i>Further particulars may be denoted by colon combination and common auxiliaries, e.g.</i>	.6	Prestressed concrete with thin wires (Hoyer system)
693.554.1:621.791 Welding of reinforcement	.7	Pretensioning with subsequent adhesion
:621.791.052.4 Butting of reinforcement	.565	Partial pretensioning
:621.882 Bolting, screwing of reinforcement		Relaxation of steel stress. Loss of prestress
:621.981 Bending of reinforcement	.2	Tensioning methods. Tensioning devices
:621.981(083.75) Reinforcement bending specifications	.3	Pretensioning by using expanding concrete
:621.981.006.3 Reinforcement bending yards	.4	Pretensioning by physical processes
.2 Bending resistance = prefabricated reinforcement		<i>Further particulars may be denoted by colon combination, e.g.</i>
.22 Reinforcing cages. Cages of reinforcing steel.		693.565.3:536.41 Pretensioning by thermal expansion
Reinforcing framework	.8	:621.365 Pretensioning by electric heating
.3 Position of reinforcement in concrete	.566	Pretensioning by mechanical devices. Jacks. Turnbuckles etc.
—620.193 Physical and chemical influences. Corrosion.		<i>Further particulars may be denoted by colon combination with the subdivisions of 621, e.g.</i>
Resistance to attack — Materials testing	.3	693.565.4:621.866 Pretensioning by jacks
620.194.2 Stress corrosion	.567	:621.889.2 Pretensioning by cable, wire tensioners
620.197 Protection of materials		Stressing head. Anchorage systems
.32 Longitudinal reinforcement		Placing, compacting and finishing before setting
.33 Cross reinforcement		693.566 $\cong$ 693.546
.34 Spiral reinforcement. Helical reinforcement	.568	Injecting the mortar in the tensioning channels
.36 Cross bars and distributors. Stirrups		Curing (including steam curing), heating, cooling and other measures during setting and hardening
.38 Concrete cover of reinforcement		693.567 $\cong$ 693.547
.6 Placing and supporting the reinforcement.	693.6	Surface treatment
Anchorage. Hooks and eyes. Loops. Bar spacers	.61	693.568 $\cong$ 693.548
<i>Further particulars may be denoted by colon combination with the subdivisions of 621.88</i>	.611	PLASTERER'S TRADE. FINISHING WORK
.556 Placing, compacting and finishing before setting		Plastering
693.556 $\cong$ 693.546, e.g.		Plasters according to their components
693.556.4 Compacting by vibrating.		<i>Materials may be denoted by colon combination with the subdivisions of 666.9 or 691, e.g.</i>
Vibrated reinforced concrete	.612	693.611:666.914.56 Stucco
.41 Direct surface vibration. Pervibration		:691.175.842 Silicone plasters
		:691.553 Gypsum plasters
		:691.555 Cement plasters
		Plasters with admixtures

	<i>Further particulars may be denoted by colon combination with the subdivisions of 691, e.g.</i>	693.814	Steel work
	693.612:691.11—494 Plasters with wood fibres	.1	Various members
	:691.57 Plasters with paints		<i>Further particulars may be denoted by the .07 special auxiliaries, e.g.</i>
693.613	Preparation of surfaces to receive plaster.	.16	693.814.1.072.2 Steel girders
	Lathing	.2	.33 Steel frames
.1	Sheathing		Prestressed steel members
.3	Caulking		Connections
.7	Screeding		693.814.2 $\cong$ 624.078.4, e.g.
.8	Lathing in reed, wood, expanded metal etc.		693.814.23 Glued connections
.614	Application of plasters. Methods of application		.24 Riveted connections
	<i>Further particulars may be denoted by the — 8 special auxiliaries listed under 62, e.g.</i>		.25 Welded connections
	693.614—851.1 Application using compressed air devices		.26 Bolted connections. Screwed connections
	—871 Application by hand		.265 With high-tensile prestressed screws
.62	Plasters according to use and purpose		.27 [cancelled] $\dots$ 693.814.3
	<i>Further particulars may be denoted by colon combination or special auxiliaries, e.g.</i>	.3	.28 Combined connections
	693.62:692.2 Wall plasters		.284 Glued connections with existing riveted connections
	:692.54 Ceiling plasters	.815	.286 Glued connections with existing screwed connections
	:699.82 Waterproof renderings	.816	Tubular steel work
	:699.844 Soundproof plastering	.82	693.814.3 $\cong$ 693.814.2
.621	Internal plastering		Mild steel and wrought ironwork
.625	External rendering. Mortar coats. Textured surfaces. Parging. Pargeting. Rough-cast finish. Spatter-dash. Pebble-dash.		—682.6 Building ironwork
	Scraped finish	.827	Various works in pressed steel products
.627	[cancelled] use 693.625:666.914.56	.1	Structural work in non-ferrous metals in general
.63	Stucco		693.82 $\cong$ 693.814, e.g.
.631	Corbels. Angles. Mouldings etc.	.6	693.822.4 Riveted connections
.632	Ornaments. Rosettes. Rocailles. Medallions etc.		Light metal construction in general
.635	[cancelled] $\dots$ 693.612, 693.64	693.9	Aluminium structures
.64	Treatment of plastered surfaces (technical and artistic)		693.827.1 $\cong$ 693.814
.641	Scagliola. Imitation marble		Light metal structures with prestressed steel frames
.644	Sgraffito		
.65	Graining		SKELETON STRUCTURES WITH PANEL INFILLINGS. CONSTRUCTIONS IN COMBINATION WITH VARIOUS MATERIALS. COMPOSITE CONSTRUCTION
	<i>For rough finishing — 693.625</i>		—624.94 Skeleton structures. Framed structures
.66	Repointing. Repointing		692.232.7 Infilling walls to framed structures
	—693.224 Joints. Pointing	.94	Timber-framed skeleton structures
.69	Various special finishes and facings	.95	Concrete-framed skeleton structures
	<i>Materials may be denoted by colon combination with the subdivisions of 691, e.g.</i>		<i>Further particulars may be denoted by colon combination, e.g.</i>
	693.69:691.214.2 Slate finishes		693.95:691.6 Glass-concrete-framed skeleton structures
.695	Wall tiling	.955	Reinforced concrete-framed skeleton structures
	<i>For laying of tiles etc. — 693.74</i>		<i>Further particulars may be denoted by colon combination, e.g.</i>
693.7	FLOOR TILING. WALL TILING. PAVING. PAVIOUR'S TRADE. ASPHALT WORK		693.955:691.6 Reinforced
	—625.7/.8 Highway engineering		glass-concrete-framed skeleton structures
.73	Laying jointless floorings (terrazzo finish, macadam etc.)	.956	Prestressed concrete-framed skeleton structures
.74	Laying of tiles, slabs, prefabricated mosaics etc. on ceilings, walls, sanitary installations etc. and on floors	.97	Skeleton structures of metallic materials
.741	Laying of mosaics		—693.8 Structural work in steel and other metals
.745	Laying of quarry tiles	.972	Steel-framed skeleton structures
.75	Paviour's trade	.977	Light-metal framed skeleton structures
.78	Asphalting. Asphalter's trade in general	.98	Composite constructions
	<i>For roof coverings requiring support — 692.415.6</i>		
	<i>For damp-proof courses etc. — 699.82</i>	694	TIMBER CONSTRUCTION. CARPENTRY. CARPENTER'S WORK. JOINERY. JOINER'S WORK
693.8	STRUCTURAL WORK IN STEEL AND OTHER METALS		—624.011.1 Structures in wood. Wood structures
	—624.014 Metal structures		674 Timber and woodworking industry
	624.94.014.2 Steel skeleton structures		691.11 Wood. Timber
	624.96 Supporting structures for transport and handling	694.1	
	69.057 Industrialization of construction		TIMBER CONSTRUCTION IN GENERAL. CARPENTER'S WORK. FIXING UNITS. TIMBER CONNECTIONS
	691.7 Metallic building materials		Fixing units
	693.97 Skeleton structures of metallic materials	.12	<i>Further particulars may be denoted by colon combination with the subdivisions of 621.88, e.g.</i>
.81	Iron work. Steel work		
.813	Iron work		