

Symbol	Typ	Titel
E	Sektion	SECTION E — FIXED CONSTRUCTIONS
E04	Klasse	BUILDING (layered materials, layered products in general B32B)
E04B	Unterklasse	GENERAL BUILDING CONSTRUCTIONS; WALLS, e.g. PARTITIONS; ROOFS; FLOORS; CEILINGS; INSULATION OR OTHER PROTECTION OF BUILDINGS (border constructions of openings in walls, floors, or ceilings E06B 1/00)
E04B 1/00	Hauptgruppe	Constructions in general; Structures which are not restricted either to walls, e.g. partitions, or floors or ceilings or roofs (scaffolds, shutterings E04G; structures specially adapted for buildings for special purposes, general layout of buildings, e.g. modular co-ordination, E04H; the particular parts of buildings, <u>see</u> the relevant groups for those parts)
E04B 1/02	1-Punkt Untergruppe	. Structures consisting primarily of load-supporting, block-shaped or slab-shaped elements (E04B 1/32-E04B 1/36 take precedence)
E04B 1/04	2-Punkt Untergruppe	. . the elements consisting of concrete, e.g. reinforced concrete, or other stone-like material
E04B 1/06	3-Punkt Untergruppe	. . . the elements being prestressed
E04B 1/08	2-Punkt Untergruppe	. . the elements consisting of metal
E04B 1/10	2-Punkt Untergruppe	. . the elements consisting of wood
E04B 1/12	2-Punkt Untergruppe	. . the elements consisting of other material
E04B 1/14	2-Punkt Untergruppe	. . the elements being composed of two or more materials (of reinforced concrete E04B 1/04)
E04B 1/16	1-Punkt Untergruppe	. Structures made from masses, e.g. concrete, cast or similarly formed <u>in situ</u> with or without making use of additional elements, such as permanent forms, sub-structures to be coated with load-bearing material (E04B 1/32-E04B 1/36 take precedence)
E04B 1/18	1-Punkt Untergruppe	. Structures comprising elongated load-supporting parts, e.g. columns, girders, skeletons (E04B 1/32-E04B 1/36 take precedence; elongated load-supporting parts as elements, trusses, truss-like structures E04C 3/00)
E04B 1/19	2-Punkt Untergruppe	. . Three-dimensional framework structures [2]
E04B 1/20	2-Punkt Untergruppe	. . the supporting parts consisting of concrete, e.g. reinforced concrete, or other stone-like material
E04B 1/21	3-Punkt Untergruppe	. . . Connections specially adapted therefor [2]
E04B 1/22	3-Punkt Untergruppe	. . . with parts being prestressed
E04B 1/24	2-Punkt Untergruppe	. . the supporting parts consisting of metal
E04B 1/26	2-Punkt Untergruppe	. . the supporting parts consisting of wood
E04B 1/28	2-Punkt Untergruppe	. . the supporting parts consisting of other material
E04B 1/30	2-Punkt Untergruppe	. . the supporting parts being composed of two or more materials; Composite steel and concrete constructions (of reinforced concrete E04B 1/20)
E04B 1/32	1-Punkt Untergruppe	. Arched structures; Vaulted structures; Folded structures (vaulted roofs E04B 7/08)
E04B 1/34	1-Punkt Untergruppe	. Extraordinary structures, e.g. with suspended or cantilever parts supported by masts or tower-like structures enclosing elevators or stairs; Features relating to the elastic stability (E04B 1/342, E04B 1/343, E04B 1/348 take precedence; for floors E04B 5/43; buildings for special purposes, e.g. withstanding earthquake, E04H)
E04B 1/342	1-Punkt Untergruppe	. Structures covering a large free area, whether open-sided or not, e.g. hangars, halls (roof trusses E04C 3/00; non-structural features for specified purposes, <u>see</u> the relevant groups of E04H)

Symbol	Typ	Titel
E04B 1/343	1-Punkt Untergruppe	. Structures characterised by movable, separable, or collapsible parts, e.g. for transport (movable roof parts E04B 7/16; floatable buildings B63B; small prefabricated buildings, transportable as a whole, E04H 1/12; small garages E04H 6/02; tents or canopies, in general E04H 15/00)
E04B 1/344	2-Punkt Untergruppe	. . with hinged parts
E04B 1/346	2-Punkt Untergruppe	. . Rotary buildings; Buildings with rotary units, e.g. rooms
E04B 1/348	1-Punkt Untergruppe	. Structures composed of units comprising at least considerable parts of two sides of a room, e.g. box-like or cell-like units closed or in skeleton form (wall units locating conduits or the like E04C 2/52)
E04B 1/35	1-Punkt Untergruppe	. Extraordinary methods of construction, e.g. lift-slab, jack-block (E04B 1/34 takes precedence; falsework, shuttering for shaping walls, floors, ceilings or roofs for structures of particular shape <u>in situ</u> E04G 11/04; conveying or assembling of building materials E04G 21/00; working measures on existing buildings E04G 23/00)
E04B 1/36	1-Punkt Untergruppe	. Bearings or like supports allowing movement (for bridges E01D 19/04; buildings withstanding earthquake E04H 9/02)
E04B 1/38	1-Punkt Untergruppe	. Connections for building structures in general
E04B 1/41	2-Punkt Untergruppe	. . Connecting devices specially adapted for embedding in concrete or masonry (spacers for cavity walls E04B 2/30, E04B 2/44; connectors for reinforcing elements E04C 5/16; fastening frames to the border of openings E06B 1/56)
E04B 1/48	2-Punkt Untergruppe	. . Dowels, i.e. members adapted to penetrate the surfaces of two parts and to take the shear stresses
E04B 1/49	3-Punkt Untergruppe	. . . with self-penetrating parts, e.g. claw dowels
E04B 1/58	2-Punkt Untergruppe	. . of bar-shaped building elements
E04B 1/61	2-Punkt Untergruppe	. . of slab-shaped building elements with each other [5]
E04B 1/62	1-Punkt Untergruppe	. Insulation or other protection; Elements or use of specified material therefor (chemical compositions C01-C11; implements for applying insulation or sealings E04F 21/00; buildings to withstand, or to provide protection against, external undesired influences E04H 9/00; sealing pipes in walls or partitions F16L 5/02; shielding against dangerous radiation G21F; constructions of particular parts of buildings, <u>see</u> the relevant groups for those parts)
E04B 1/64	2-Punkt Untergruppe	. . for making damp-proof; Protection against corrosion (sealings E04B 1/66)
E04B 1/66	2-Punkt Untergruppe	. . Sealings (additions of anti-leak properties to plaster C04B; bituminous sealing masses C08L 95/00; sealings for hydraulic engineering work in general E02B 3/16; against ground humidity or ground water E02D 31/02; coverings against rain or other precipitations of the atmosphere E04D; composition of material or manufacture of sealing foils, <u>see</u> the relevant classes for these foils)
E04B 1/68	3-Punkt Untergruppe	. . . of joints, e.g. expansion joints (packing for joints in roads or airfields E01C 11/02; expansion joints for bridges E01D 19/06; sealing joints between foundation piles E02D 5/14; joints in foundation structures E02D 29/16; devices for sealing the spaces or joints between roof-covering elements E04D 1/36; sealing joints between roof-covering elements E04D 3/38; construction of joints for flooring or floor layers made of masses <u>in situ</u> E04F 15/14)
E04B 1/682	4-Punkt Untergruppe	 formed <u>in situ</u> [5]
E04B 1/684	4-Punkt Untergruppe	 using preformed elastomeric elements [5]
E04B 1/686	5-Punkt Untergruppe	 comprising a plurality of hollow, deformable internal cells [5]
E04B 1/70	2-Punkt Untergruppe	. . Drying or keeping dry, e.g. by air vents (by sealings E04B 1/66; during erection E04G 21/28)

Symbol	Typ	Titel
E04B 1/72	2-Punkt Untergruppe	. . Pest control (by keeping dry E04B 1/70; impregnation of wood or like materials B27K)
E04B 1/74	2-Punkt Untergruppe	. . Heat, sound or noise insulation, absorption, or reflection (forms of, or arrangements in, rooms for influencing or directing sound E04B 1/99); Other building methods affording favourable thermal or acoustical conditions, e.g. accumulating of heat within walls (fire protection E04B 1/94; elements chiefly adapted for structural purposes E04C 1/00-E04C 3/00; chiefly adapted for surface coverings E04F 13/00; as underlayers for floor coverings E04F 15/18; closures for wall or like openings E06B)
E04B 1/76	3-Punkt Untergruppe	. . . specifically with respect to heat only (heat insulation in general F16L 59/00)
E04B 1/78	4-Punkt Untergruppe	 Heat insulating elements
E04B 1/80	5-Punkt Untergruppe	 slab-shaped
E04B 1/82	3-Punkt Untergruppe	. . . specifically with respect to sound only (noise damping in ducts or channels E04F 17/00; noise damping in general G10K 11/16)
E04B 1/84	4-Punkt Untergruppe	 Sound-absorbing elements
E04B 1/86	5-Punkt Untergruppe	 slab-shaped
E04B 1/88	3-Punkt Untergruppe	. . . Insulating elements for both heat and sound
E04B 1/90	4-Punkt Untergruppe	 slab-shaped
E04B 1/92	2-Punkt Untergruppe	. . Protection against other undesired influences or dangers (buildings providing protection against external dangers E04H 9/00; shielding against dangerous radiation G21F)
E04B 1/94	3-Punkt Untergruppe	. . . against fire (fire-fighting A62C; impregnation of wood or similar materials B27K; fireproof doors E06B 5/16)
E04B 1/98	3-Punkt Untergruppe	. . . against vibrations or shocks (on foundations E02D 31/08); against mechanical destruction, e.g. by air-raids (against incendiary damage only E04B 1/94; finishing work therefor E04F; buildings withstanding earthquake or the like, shelters, arrangements of splinter-catching walls E04H 9/00)
E04B 1/99	1-Punkt Untergruppe	. Room acoustics, i.e. forms of, or arrangements in, rooms for influencing or directing sound (E04B 1/82 takes precedence; acoustics in general G10K 11/00; electric signal processing for producing a reverberation or echo sound G10K 15/08)
E04B 2/00	Hauptgruppe	Walls, e.g. partitions, for buildings; Wall construction with regard to insulation; Connections specially adapted to walls (connections for building structures in general E04B 1/38; insulation for building in general E04B 1/62; building elements of relatively thin form for parts of buildings E04C 2/00)
E04B 2/02	1-Punkt Untergruppe	. built-up from layers of building elements
E04B 2/04	2-Punkt Untergruppe	. . Walls having neither cavities between, nor in, the solid elements
E04B 2/06	3-Punkt Untergruppe	. . . using elements having specially-designed means for stabilising the position
E04B 2/08	4-Punkt Untergruppe	 by interlocking of projections or inserts with indentations, e.g. of tongues, grooves, dovetails
E04B 2/10	4-Punkt Untergruppe	 by filling material with or without reinforcements in small channels in, or in grooves between, the elements
E04B 2/12	3-Punkt Untergruppe	. . . using elements having a general shape differing from that of a parallelepiped
E04B 2/14	2-Punkt Untergruppe	. . Walls having cavities in, but not between, the elements, i.e. each cavity being enclosed by at least four sides forming part of one single element
E04B 2/16	3-Punkt Untergruppe	. . . using elements having specially designed means for stabilising the position
E04B 2/18	4-Punkt Untergruppe	 by interlocking of projections or inserts with indentations, e.g. of tongues, grooves, dovetails

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E04B 2/20	4-Punkt Untergruppe	 by filling material with or without reinforcements in small channels in, or in grooves between, the elements
E04B 2/22	3-Punkt Untergruppe	. . . using elements having a general shape differing from that of a parallelepiped
E04B 2/24	3-Punkt Untergruppe	. . . the walls being characterised by fillings in some of the cavities forming load-bearing pillars or beams
E04B 2/26	3-Punkt Untergruppe	. . . the walls being characterised by fillings in all cavities in order to form a wall construction
E04B 2/28	2-Punkt Untergruppe	. . Walls having cavities between, but not in, the elements; Walls of elements each consisting of two or more parts kept in distance by means of spacers, all parts being solid
E04B 2/30	3-Punkt Untergruppe	. . . using elements having specially designed means for stabilising the position; Spacers for cavity walls
E04B 2/32	4-Punkt Untergruppe	 by interlocking of projections or inserts with indentations, e.g. of tongues, grooves, dovetails
E04B 2/34	4-Punkt Untergruppe	 by filling material with or without reinforcements in small channels in, or in grooves between, the elements
E04B 2/36	3-Punkt Untergruppe	. . . using elements having a general shape differing from that of a parallelepiped
E04B 2/38	3-Punkt Untergruppe	. . . the walls being characterised by fillings in some of the cavities forming load-bearing pillars or beams
E04B 2/40	3-Punkt Untergruppe	. . . the walls being characterised by fillings in all cavities in order to form a wall construction
E04B 2/42	2-Punkt Untergruppe	. . Walls having cavities between, as well as in, the elements; Walls of elements each consisting of two or more parts, kept in distance by means of spacers, at least one of the parts having cavities
E04B 2/44	3-Punkt Untergruppe	. . . using elements having specially designed means for stabilising the position; Spacers for cavity walls
E04B 2/46	4-Punkt Untergruppe	 by interlocking of projections or inserts with indentations, e.g. of tongues, grooves, dovetails
E04B 2/48	4-Punkt Untergruppe	 by filling material with or without reinforcements in small channels in, or in grooves between, the elements
E04B 2/50	3-Punkt Untergruppe	. . . using elements having a general shape differing from that of a parallelepiped
E04B 2/52	3-Punkt Untergruppe	. . . the walls being characterised by fillings in some of the cavities forming load-bearing pillars or beams
E04B 2/54	3-Punkt Untergruppe	. . . the walls being characterised by fillings in all cavities in order to form a wall construction
E04B 2/56	1-Punkt Untergruppe	. Walls of framework or pillarwork; Walls incorporating load-bearing elongated members (E04B 2/74, E04B 2/88 take precedence; pillars E04C 3/30)
E04B 2/58	2-Punkt Untergruppe	. . with elongated members of metal
E04B 2/60	3-Punkt Untergruppe	. . . characterised by special cross-section of the elongated members
E04B 2/62	4-Punkt Untergruppe	 the members being formed of two or more elements in side-by-side relationship
E04B 2/64	2-Punkt Untergruppe	. . with elongated members of concrete
E04B 2/66	3-Punkt Untergruppe	. . . characterised by special cross-section of the elongated members
E04B 2/68	3-Punkt Untergruppe	. . . made by filling-up wall cavities (E04B 2/24, E04B 2/38, E04B 2/52 take precedence)
E04B 2/70	2-Punkt Untergruppe	. . with elongated members of wood
E04B 2/72	1-Punkt Untergruppe	. Walls of elements of relatively thin form (E04B 2/56, E04B 2/74, E04B 2/88 take precedence; with joint fillings acting as framework or pillars E04B 2/68; elements E04C 2/00)
E04B 2/74	1-Punkt Untergruppe	. Removable non-load-bearing partitions; Partitions with a free upper edge (framed panels E04C 2/38)

Symbol	Typ	Titel
E04B 2/76	2-Punkt Untergruppe	. . with framework or posts of metal
E04B 2/78	3-Punkt Untergruppe	. . . characterised by special cross-section of the frame members
E04B 2/80	2-Punkt Untergruppe	. . with framework or posts of wood
E04B 2/82	2-Punkt Untergruppe	. . characterised by the manner in which edges are connected to the building; Means therefor; Special details of easily-removable partitions
E04B 2/84	1-Punkt Untergruppe	. Walls made by casting, pouring, or tamping <u>in situ</u> (E04B 2/02, E04B 2/56 take precedence; forms therefor E04G 11/06; working of concrete or similar masses able to be cast or poured <u>in situ</u> E04G 21/02)
E04B 2/86	2-Punkt Untergruppe	. . made in permanent forms
E04B 2/88	1-Punkt Untergruppe	. Curtain walls
E04B 2/90	2-Punkt Untergruppe	. . comprising panels directly attached to the structure [4]
E04B 2/92	3-Punkt Untergruppe	. . . Sandwich-type panels [4]
E04B 2/94	3-Punkt Untergruppe	. . . Concrete panels (E04B 2/92 takes precedence) [4]
E04B 2/96	2-Punkt Untergruppe	. . comprising panels attached to the structure through mullions or transoms [4]
E04B 5/00	Hauptgruppe	Floors; Floor construction with regard to insulation; Connections specially adapted therefor (elements for floors, e.g. bricks, stones, filling bodies, girders, E04C; flooring as finishing work, insulation of flooring, sectional false floors, e.g. for computers, E04F 15/00) [5]
E04B 5/02	1-Punkt Untergruppe	. Load-carrying floor structures formed substantially of prefabricated units (E04B 5/43-E04B 5/48 take precedence)
E04B 5/04	2-Punkt Untergruppe	. . with beams of concrete or other stone-like material, e.g. asbestos cement (E04B 5/08, E04B 5/14 take precedence)
E04B 5/06	3-Punkt Untergruppe	. . . placed against one another
E04B 5/08	2-Punkt Untergruppe	. . assembled of block-shaped elements, e.g. hollow stones (E04B 5/14 takes precedence; floors composed of reinforced brickwork E04B 5/44)
E04B 5/10	2-Punkt Untergruppe	. . with metal beams or girders, e.g. with steel lattice girders (E04B 5/14 takes precedence)
E04B 5/12	2-Punkt Untergruppe	. . with wooden beams (E04B 5/14 takes precedence)
E04B 5/14	2-Punkt Untergruppe	. . with beams or girders laid in two directions
E04B 5/16	1-Punkt Untergruppe	. Load-carrying floor structures wholly or partly cast or similarly formed <u>in situ</u> (E04B 5/43-E04B 5/48 take precedence; floors merely characterised by the prefabricated elements E04C)
E04B 5/17	2-Punkt Untergruppe	. . Floor structures partly formed <u>in situ</u>
E04B 5/18	3-Punkt Untergruppe	. . . with stiffening ribs or other beam-like formations wholly cast between filling members
E04B 5/19	4-Punkt Untergruppe	 the filling members acting as self-supporting permanent forms (E04B 5/21 takes precedence)
E04B 5/21	4-Punkt Untergruppe	 Cross-ribbed floors
E04B 5/23	3-Punkt Untergruppe	. . . with stiffening ribs or other beam-like formations wholly or partly prefabricated (with all load-carrying parts substantially consisting of prefabricated units E04B 5/02)
E04B 5/26	4-Punkt Untergruppe	 with filling members between the beams (E04B 5/28 takes precedence)

Symbol	Typ	Titel
E04B 5/28	4-Punkt Untergruppe	 Cross-ribbed floors
E04B 5/29	4-Punkt Untergruppe	 the prefabricated parts of the beams consisting wholly of metal (E04B 5/28 takes precedence)
E04B 5/32	2-Punkt Untergruppe	. . Floor structures wholly cast <u>in situ</u> with or without form units or reinforcements
E04B 5/36	3-Punkt Untergruppe	. . . with form units as part of the floor
E04B 5/38	4-Punkt Untergruppe	 with slab-shaped form units acting simultaneously as reinforcement; Form slabs with reinforcements extending laterally outside the element
E04B 5/40	5-Punkt Untergruppe	 with metal form slabs
E04B 5/43	1-Punkt Untergruppe	. Floor structures of extraordinary design; Features relating to the elastic stability; Floor structures specially designed for resting on columns only, e.g. mushroom floors (extraordinary constructions in general E04B 1/34)
E04B 5/44	1-Punkt Untergruppe	. Floors composed of stones, mortar, and reinforcing elements (with inserts of glass E04B 5/46)
E04B 5/46	1-Punkt Untergruppe	. Special adaptation of floors for transmission of light, e.g. by inserts of glass (of ceilings E04B 9/32; block-shaped elements E04C 1/42; slab- or sheet-shaped elements E04C 2/54; for roof covering E04D 3/06) [5]
E04B 5/48	1-Punkt Untergruppe	. Special adaptations of floors for incorporating ducts, e.g. for heating or ventilating (in block-shaped elements E04C 1/39; in slab- or sheet-shaped elements E04C 2/52)
E04B 7/00	Hauptgruppe	Roofs; Roof construction with regard to insulation (structures for roofs as well as for floors E04B 5/00; ceilings E04B 9/00; greenhouses A01G 9/14; large containers having floating covers B65D 88/34; roof trusses, truss-like structures, joists E04C 3/02; roof coverings E04D) [5]
E04B 7/02	1-Punkt Untergruppe	. with plane sloping surfaces, e.g. saddle roofs (E04B 7/12 takes precedence)
E04B 7/04	2-Punkt Untergruppe	. . supported by horizontal beams or the equivalent resting on the walls (E04B 7/06 takes precedence)
E04B 7/06	2-Punkt Untergruppe	. . Constructions of roof intersections or hopped ends
E04B 7/08	1-Punkt Untergruppe	. Vaulted roofs (E04B 7/14 takes precedence; vaulted structures in general E04B 1/32; inflatable tents or canopies, in general E04H 15/20; inflatable forms for shaping <u>in situ</u> E04G 11/04)
E04B 7/10	2-Punkt Untergruppe	. . Shell structures, e.g. of hyperbolic-parabolic shape; Grid-like formations acting as shell structures; Folded structures
E04B 7/12	1-Punkt Untergruppe	. formed in bays, e.g. sawtooth roofs (E04B 7/10 takes precedence)
E04B 7/14	1-Punkt Untergruppe	. Suspended roofs (suspended tents or canopies, in general E04H 15/04)
E04B 7/16	1-Punkt Untergruppe	. Roof structures with movable roof parts (buildings for special purposes E04H)
E04B 7/18	1-Punkt Untergruppe	. Special structures in or on roofs, e.g. dormer windows (in connection with roof coverings E04D 13/00, especially domes E04D 13/03)
E04B 7/20	1-Punkt Untergruppe	. Roofs consisting of self-supporting slabs, e.g. able to be loaded [5]
E04B 7/22	2-Punkt Untergruppe	. . the slabs having insulating properties, e.g. being laminated with layers of insulating material (E04B 7/24 takes precedence) [6]
E04B 7/24	2-Punkt Untergruppe	. . the slabs being collapsible, e.g. for transport [6]
E04B 9/00	Hauptgruppe	Ceilings; Construction of ceilings, e.g. false ceilings; Ceiling construction with regard to insulation (ceilings used as forms for making floors E04B 5/00; coverings or linings for ceilings E04F 13/00) [5]
E04B 9/02	1-Punkt Untergruppe	. having means for ventilation or vapour discharge [5]

Symbol	Typ	Titel
E04B 9/04	1-Punkt Untergruppe	. comprising slabs, sheets or the like (E04B 9/06-E04B 9/34 take precedence; slabs, sheets or the like <u>per se</u> E04C 2/00) [5]
E04B 9/06	1-Punkt Untergruppe	. characterised by constructional features of the supporting construction [5]
E04B 9/08	2-Punkt Untergruppe	. . having the capability of expansion [5]
E04B 9/10	2-Punkt Untergruppe	. . Connections between parallel members of the supporting construction (E04B 9/08 takes precedence) [5]
E04B 9/12	2-Punkt Untergruppe	. . Connections between non-parallel members of the supporting construction (E04B 9/08 takes precedence) [5]
E04B 9/14	3-Punkt Untergruppe	. . . all the members being discontinuous and lying at least partly in the same plane [5]
E04B 9/16	3-Punkt Untergruppe	. . . the members lying in different planes [5]
E04B 9/18	1-Punkt Untergruppe	. Means for suspending the supporting construction [5]
E04B 9/20	2-Punkt Untergruppe	. . adjustable [5]
E04B 9/22	1-Punkt Untergruppe	. Connection of slabs, sheets or the like to the supporting construction [5]
E04B 9/24	2-Punkt Untergruppe	. . with the slabs, sheets or the like positioned on, or held against, horizontal flanges of the supporting construction [5]
E04B 9/26	3-Punkt Untergruppe	. . . by means of snap action of elastically deformable elements [5]
E04B 9/28	2-Punkt Untergruppe	. . with the slabs, sheets or the like having grooves engaging with horizontal flanges of the supporting construction or accessory means connected thereto [5]
E04B 9/30	1-Punkt Untergruppe	. characterised by edge details of the ceiling, e.g. securing to an adjacent wall [5]
E04B 9/32	1-Punkt Untergruppe	. Translucent ceilings, i.e. permitting both the transmission and diffusion of light (E04B 9/34 takes precedence ; lighting F21) [5]
E04B 9/34	1-Punkt Untergruppe	. Open-work ceilings, e.g. lattice type (E04B 9/30 takes precedence) [5]
E04B 9/36	2-Punkt Untergruppe	. . consisting of parallel slats [5]