E	Sektion	SECTION E — FIXED CONSTRUCTIONS
E04	Klasse	BUILDING (layered materials, layered products in general B32B)
E04C	Unterklasse	STRUCTURAL ELEMENTS; BUILDING MATERIALS (for bridges E01D; specially designed for insulation or other protection E04B; elements used as building aids E04G; for mining E21; for tunnels E21D; structural elements with broader range of application than for building engineering F16, particularly F16S)
E04C 1/00	Hauptgruppe	Building elements of block or other shape for the construction of parts of buildings (of relatively thin form E04C 2/00; structural elongated elements designed for load-supporting E04C 3/00, e.g. columns or pillars E04C 3/30; manufacture or material of building bricks, stones, or the like B28, C03, C04; paving elements E01C; general building constructions E04B, e.g. walls E04B 2/00, floors E04B 5/00, roofs E04B 7/00, ceilings E04B 9/00; structural elements specially designed for built-in conduit shafts E04F; special elements for building ovens or furnaces F24B, F27D) [5]
E04C 1/39	1-Punkt Untergruppe	. characterised by special adaptations, e.g. serving for locating conduits, for forming soffits, cornices, or shelves, for fixing wall-plates or door-frames, for claustra
E04C 1/40	1-Punkt Untergruppe	. built-up from parts of different materials, e.g. composed of layers of different materials or stones with filling material or with insulating inserts
E04C 1/41	2-Punkt Untergruppe	composed of insulating material and load-bearing concrete, stone or stone-like material [6]
E04C 1/42	1-Punkt Untergruppe	. of glass or other transparent material
E04C 2/00	Hauptgruppe	Building elements of relatively thin form for the construction of parts of buildings, e.g. sheet materials, slabs, or panels (materials or manufacture, see the relevant places, e.g. B27N, B29,
		D21J; made in situE04B; specially designed for insulation or other protection E04B 1/62; load-
		carrying floor structures E04B 5/02, E04B 5/16; roofs consisting of self-supporting slabs E04B 7/20; roof- or like covering elements E04D 3/00; for lining or finishing E04F 13/00)
E04C 2/02	1-Punkt Untergruppe	. characterised by specified materials (translucent E04C 2/54)
E04C 2/04	2-Punkt Untergruppe	of concrete or other stone-like material; of asbestos cement (E04C 2/26 takes precedence; material or manufacture B28, C04)
E04C 2/06	3-Punkt Untergruppe	reinforced
E04C 2/08	2-Punkt Untergruppe	of metal, e.g. sheet metal (E04C 2/26 takes precedence)
E04C 2/10	2-Punkt Untergruppe	of wood, fibres, chips, vegetable stems, or the like; of plastics; of foamed products (E04C 2/26 takes precedence)
E04C 2/12	3-Punkt Untergruppe	of solid wood
E04C 2/14	4-Punkt Untergruppe	reinforced
E04C 2/16	3-Punkt Untergruppe	of fibres, chips, vegetable stems, or the like
E04C 2/18	4-Punkt Untergruppe	with binding wires, reinforcing bars, or the like
E04C 2/20	3-Punkt Untergruppe	of plastics
E04C 2/22	4-Punkt Untergruppe	reinforced
E04C 2/24	3-Punkt Untergruppe	laminated and composed of materials covered by two or more of groups E04C 2/12, E04C 2/16, E04C 2/20
E04C 2/26	2-Punkt Untergruppe	composed of materials covered by two or more of groups E04C 2/04, E04C 2/08, E04C 2/10, or of materials covered by one of these groups with a material not specified in one of these groups
E04C 2/28	3-Punkt Untergruppe	combinations of materials fully covered by groups E04C 2/04 and E04C 2/08

Symbol	Тур	Titel
E04C 2/284	3-Punkt Untergruppe	at least one of the materials being insulating [6]
E04C 2/288	4-Punkt Untergruppe	composed of insulating material and concrete, stone or stone-like material [6]
E04C 2/292	4-Punkt Untergruppe	composed of insulating material and sheet metal [6]
E04C 2/296	4-Punkt Untergruppe	composed of insulating material and non-metallic or unspecified sheet-material (E04C 2/288 takes precedence) [6]
E04C 2/30	1-Punkt Untergruppe	. characterised by the shape or structure (translucent E04C 2/54)
E04C 2/32	2-Punkt Untergruppe	formed of corrugated or otherwise indented sheet-like material; composed of such layers with or without layers of flat sheet-like material
E04C 2/34	2-Punkt Untergruppe	composed of two or more spaced sheet-like parts (E04C 2/32 takes precedence; spacers for cavity walls E04B 2/44)
E04C 2/36	3-Punkt Untergruppe	spaced apart by transversely-placed strip material, e.g. honeycomb panels (honeycomb or other core members for layered products B32B)
E04C 2/38	2-Punkt Untergruppe	with attached ribs, flanges, or the like, e.g. framed panels (concerned with attaching to other panels or
		elements to form a structure, <u>see</u> the places for the relevant structure, e.g. E04B 2/00)
E04C 2/40	2-Punkt Untergruppe	composed of a number of smaller components rigidly or movably connected together, e.g. interlocking, hingedly connected
E04C 2/42	2-Punkt Untergruppe	Gratings; Grid-like panels (reinforcing elements E04C 5/00; built-in gratings E04F 19/10; gratings in general F16S 3/00)
E04C 2/52	2-Punkt Untergruppe	with special adaptations for auxiliary purposes, e.g. serving for locating conduits (E04C 2/54 takes precedence; block-shaped elements therefor E04C 1/39; floor structures incorporating ducts E04B 5/48)
E04C 2/54	1-Punkt Untergruppe	. Slab-like translucent elements (floors for transmitting light E04B 5/46; translucent or open-work ceilings E04B 9/32, E04B 9/34; translucent roof coverings E04D 3/06, E04D 3/28)
E04C 3/00	Hauptgruppe	Structural elongated elements designed for load-supporting (as building aids E04G)
E04C 3/02	1-Punkt Untergruppe	. Joists; Girders, trusses, or truss-like structures, e.g. prefabricated; Lintels; Transoms (E04C 3/38 takes precedence; for structures characterised by movable, separable, or collapsible parts E04B 1/343)
E04C 3/04	2-Punkt Untergruppe	of metal (E04C 3/29 takes precedence; as reinforcing elements E04C 5/06; manufacture B21)
E04C 3/06	3-Punkt Untergruppe	with substantially solid, i.e. unapertured, web (E04C 3/10, E04C 3/11 take precedence)
E04C 3/07	4-Punkt Untergruppe	at least partly of bent or otherwise deformed strip- or sheet-like material
E04C 3/08	3-Punkt Untergruppe	with apertured web, e.g. with a web consisting of bar-like components; Honeycomb girders (E04C 3/10, E04C 3/11 take precedence)
E04C 3/09	4-Punkt Untergruppe	at least partly of bent or otherwise deformed strip- or sheet-like material
E04C 3/10	3-Punkt Untergruppe	prestressed
E04C 3/11	3-Punkt Untergruppe	with non-parallel upper and lower edges, e.g. roof trusses (arched girders, portal frames E04C 3/38)
E04C 3/12	2-Punkt Untergruppe	of wood, e.g. with reinforcements, with tensioning members (E04C 3/292 takes precedence)
E04C 3/14	3-Punkt Untergruppe	with substantially solid, i.e. unapertured, web (E04C 3/17, E04C 3/18 take precedence)
E04C 3/16	3-Punkt Untergruppe	with apertured web, e.g. trusses (E04C 3/17, E04C 3/18 take precedence)
E04C 3/17	3-Punkt Untergruppe	with non-parallel upper and lower edges, e.g. roof trusses
E04C 3/18	3-Punkt Untergruppe	with metal reinforcements or tensioning members

Symbol	Тур	Titel
E04C 3/20	2-Punkt Untergruppe	of concrete or other stone-like material, e.g. with reinforcements or tensioning members (reinforcing elements E04C 5/00)
E04C 3/22	3-Punkt Untergruppe	built-up by elements joined in line
E04C 3/26	3-Punkt Untergruppe	prestressed (E04C 3/22, E04C 3/29 take precedence; prestressing members E04C 5/08)
E04C 3/28	2-Punkt Untergruppe	of other materials
E04C 3/29	2-Punkt Untergruppe	built-up from parts of different materials
E04C 3/292	3-Punkt Untergruppe	the materials being wood and metal
E04C 3/293	3-Punkt Untergruppe	the materials being steel and concrete (concrete with internal reinforcements or tensioning members E04C 3/20)
E04C 3/294	4-Punkt Untergruppe	of concrete combined with a girder-like structure extending laterally outside the element (light-weight girders used as reinforcement E04C 5/065; as part of a floor structure E04B 5/23)
E04C 3/30	1-Punkt Untergruppe	. Columns; Pillars; Struts (not designed for end loading E04C 3/02; posts, masts, as independent structures E04H 12/00)
E04C 3/32	2-Punkt Untergruppe	of metal (E04C 3/36 takes precedence)
E04C 3/34	2-Punkt Untergruppe	of concrete or other stone-like material, with or without permanent form elements, with or without internal or external reinforcement, e.g. metal coverings (E04C 3/36 takes precedence)
E04C 3/36	2-Punkt Untergruppe	of other materials
E04C 3/38	1-Punkt Untergruppe	. Arched girders or portal frames (straight girders able to be bent E04C 3/02; inflatable tents or canopies, in general E04H 15/20)
E04C 3/40	2-Punkt Untergruppe	of metal (E04C 3/46 takes precedence)
E04C 3/42	2-Punkt Untergruppe	of wood, e.g. units for rafter roofs (E04C 3/46 takes precedence)
E04C 3/44	2-Punkt Untergruppe	of concrete or other stone-like material, e.g. with reinforcements or tensioning members (E04C 3/46 takes precedence)
E04C 3/46	2-Punkt Untergruppe	of other materials
E04C 5/00	Hauptgruppe	Reinforcing elements, e.g. for concrete; Auxiliary elements therefor (material composition C21, C22; arrangements of reinforcing elements, <u>see</u> the relevant classes)
E04C 5/01	1-Punkt Untergruppe	. Reinforcing elements of metal, e.g. with non-structural coatings [5]
E04C 5/02	2-Punkt Untergruppe	of low bending resistance, i.e. of essentially one-or two-dimensional extent
E04C 5/03	3-Punkt Untergruppe	with indentations, projections, ribs, or the like, for augmenting the adherence to the concrete
E04C 5/04	3-Punkt Untergruppe	Mats (bases for plaster E04F 13/04)
E04C 5/06	2-Punkt Untergruppe	of high bending resistance, i.e. of essentially three-dimensional extent, e.g. lattice girders
E04C 5/065	3-Punkt Untergruppe	Light-weight girders, e.g. with precast parts (light-weight girders in general E04C 3/08, E04C 3/294)
E04C 5/07	1-Punkt Untergruppe	. Reinforcing elements of material other than metal, e.g. of glass, of plastics, or not exclusively made of metal (metal elements with non-structural coatings E04C 5/01) [5]
E04C 5/08	1-Punkt Untergruppe	. Members specially adapted to be used in prestressed constructions
E04C 5/10	2-Punkt Untergruppe	Ducts
E04C 5/12	1-Punkt Untergruppe	. Anchoring devices (tools or methods for tensioning E04G 21/12) [5]

E04C 5/08

Symbol	Тур	Titel
E04C 5/16	1-Punkt Untergruppe	. Auxiliary parts for reinforcements, e.g. connectors, spacers, stirrups (tools for connecting reinforcing elements E04G 21/12)
E04C 5/18	2-Punkt Untergruppe	of metal or substantially of metal
E04C 5/20	2-Punkt Untergruppe	of other material than metal or with only additional metal parts, e.g. concrete or plastics spacers with metal binding wires