Symbol	Typ	Titel
E	**Sektion**	**SECTION E — FIXED CONSTRUCTIONS**
E04	**Klasse**	**BUILDING (layered materials, layered products in general B32B)**
E04F	**Unterklasse**	**FINISHING WORK ON BUILDINGS, e.g. STAIRS, FLOORS (windows, doors E06B)**
E04F 10/00	**Hauptgruppe**	**Sunshades; Awnings (baldachins A45B, A45F, E04H; trailer awnings E04H 15/08; for tents E04H 15/58)**
E04F 10/02	1-Punkt Untergruppe	. of flexible canopy materials, e.g. canvas
E04F 10/04	2-Punkt Untergruppe	. . with material fixed on sections of a collapsible frame
E04F 10/06	2-Punkt Untergruppe	. . comprising a roller-blind with means for holding the end away from a building
E04F 10/08	1-Punkt Untergruppe	. of a plurality of similar rigid parts, e.g. slabs, lamellae (rigidly-arranged sunshade roofs with coherent surfaces E04B 7/00)
E04F 10/10	2-Punkt Untergruppe	. . collapsible
E04F 11/00	**Hauptgruppe**	**Stairways, ramps, or like structures (mounting or marking-off stairways E04F 21/26; of temporary construction E04G 27/00); Balustrades; Handrails (ladders permanently attached to fixed structures E06C 9/00)**
E04F 11/02	1-Punkt Untergruppe	. Stairways; Layouts thereof
E04F 11/022	2-Punkt Untergruppe	. . characterised by the supporting structure [6]
E04F 11/025	3-Punkt Untergruppe	. . . Stairways having stringers [6]
E04F 11/028	4-Punkt Untergruppe	. . . . having a central stringer [6]
E04F 11/032	3-Punkt Untergruppe	. . . Spiral stairways supported by a central column [6]
E04F 11/035	3-Punkt Untergruppe	. . . Stairways consisting of a plurality of assembled modular parts without further support [6]
E04F 11/038	4-Punkt Untergruppe	. . . . each modular part having a load-bearing balustrade part [6]
E04F 11/04	2-Punkt Untergruppe	. . Movable stairways, e.g. of loft ladders which may or may not be concealable or extensible (ship ladders B63B; stairs for aircraft B64F; escalators or moving walkways B66B)
E04F 11/06	3-Punkt Untergruppe	. . . collapsible, e.g. folding, telescopic
E04F 11/09	2-Punkt Untergruppe	. . Tread-and-riser units [6]
E04F 11/104	2-Punkt Untergruppe	. . Treads (E04F 11/09 takes precedence) [6]
E04F 11/108	3-Punkt Untergruppe	. . . of wood [6]
E04F 11/112	3-Punkt Untergruppe	. . . of metal [6]
E04F 11/116	3-Punkt Untergruppe	. . . of stone, concrete or like material [6]
E04F 11/16	3-Punkt Untergruppe	. . . Surfaces thereof; Protecting means for the edges or corners thereof (floor fabrics, fastenings therefor A47G 27/00)
E04F 11/17	4-Punkt Untergruppe	. . . . Surfaces [6]
E04F 11/18	1-Punkt Untergruppe	. Balustrades; Handrails (guard-rails on ships B63B; for bridges E01D 19/10; for roads E01F 13/00, E01F 15/00 ; fences E04H 17/00)
E04F 13/00	**Hauptgruppe**	**Coverings or linings, e.g. for walls or ceilings (flooring E04F 15/00; decoration of surfaces, mosaic work B44, e.g. paper-hanging B44C 7/00; made of webs, e.g. of fabrics or wallpaper, D03D, D04G, D04H, D06N, D21H; construction of ceilings E04B 9/00; roofings or similar water-tight coverings against precipitation E04D) [3]**

Symbol	Typ	Titel
E04F 13/02	1-Punkt Untergruppe	. of plastic materials hardening after applying, e.g. plaster (surface treatment in painting technique B44D; inorganic or bituminous masses C04B; organic plastics C08L)
E04F 13/04	2-Punkt Untergruppe	. . Bases for plaster (sub-ceilings with plaster-carrying means E04B 9/06)
E04F 13/06	3-Punkt Untergruppe	. . . Edge-protecting borders
E04F 13/07	*1-Punkt Untergruppe*	*. composed of covering or lining elements ; Sub-structures therefor ; Fastening means therefor [2006.01]*
E04F 13/072	*2-Punkt Untergruppe*	*. . composed of specially adapted, structured or shaped covering or lining elements [2006.01]*
E04F 13/073	*3-Punkt Untergruppe*	*. . . for particular building parts, e.g. corners or columns [2006.01]*
E04F 13/074	*3-Punkt Untergruppe*	*. . . for accommodating service installations or utility lines, e.g. heating conduits, electrical lines, lighting devices or service outlets [2006.01]*
E04F 13/075	*3-Punkt Untergruppe*	*. . . for insulation or surface protection, e.g. against noise or impact [2006.01]*
E04F 13/076	*3-Punkt Untergruppe*	*. . . characterised by the joints between neighbouring elements, e.g. with joint fillings or with tongue and groove connections [2006.01]*
E04F 13/077	*3-Punkt Untergruppe*	*. . . composed of several layers, e.g. sandwich panels (E04F 13/075 takes precedence) [2006.01]*
E04F 13/078	*3-Punkt Untergruppe*	*. . . Stretched foil- or web-like elements attached with edge gripping devices [2006.01]*
E04F 13/08	*2-Punkt Untergruppe*	*. . composed of a plurality of similar covering or lining elements (E04F 13/072 takes precedence ; borders, skirtings E04F 19/02) [1, 2006.01]*
E04F 13/09	*3-Punkt Untergruppe*	*. . . of elements attached to a common web, support plate or grid [2006.01]*
E04F 13/10	*3-Punkt Untergruppe*	*. . . of wood [1, 2006.01]*
E04F 13/12	*3-Punkt Untergruppe*	*. . . of metal [1, 2006.01]*
E04F 13/14	*3-Punkt Untergruppe*	*. . . of stone or stone-like materials, e.g. ceramics ; of glass [1, 2006.01]*
E04F 13/15	*4-Punkt Untergruppe*	*. . . . characterised by the use of glass elements [2006.01]*
E04F 13/16	*3-Punkt Untergruppe*	*. . . of fibres or chips, e.g. bonded with synthetic resins [1, 2006.01]*
E04F 13/18	*3-Punkt Untergruppe*	*. . . of organic plastics with or without reinforcements or filling materials (of plastic-bound fibres or chips E04F 13/16) [1, 2006.01]*
E04F 13/21	*2-Punkt Untergruppe*	*. . Fastening means specially adapted for covering or lining elements [2006.01]*
E04F 13/22	*3-Punkt Untergruppe*	*. . . Anchors, support angles or consoles [2006.01]*
E04F 13/23	*4-Punkt Untergruppe*	*. . . . adjustable [2006.01]*
E04F 13/24	*3-Punkt Untergruppe*	*. . . Hidden fastening means on the rear of the covering or lining elements (E04F 13/30 takes precedence) [2006.01]*
E04F 13/25	*4-Punkt Untergruppe*	*. . . . adjustable [2006.01]*
E04F 13/26	*3-Punkt Untergruppe*	*. . . Edge engaging fastening means, e.g. clamps, clips or border profiles [2006.01]*
E04F 13/28	*4-Punkt Untergruppe*	*. . . . adjustable [2006.01]*
E04F 13/30	*3-Punkt Untergruppe*	*. . . Magnetic fastening means [2006.01]*
E04F 15/00	**Hauptgruppe**	**Flooring (stair treads E04F 11/104; coverings not specially adapted for floors E04F 13/00; borders, skirtings E04F 19/02; gratings for cleaning soles of footwear A47L 23/24; of similar materials to roads E01C; basic or rough floors E04B 5/00) [6]**

Symbol	Typ	Titel
E04F 15/02	1-Punkt Untergruppe	. Flooring or floor layers composed of a number of similar elements (of webs E04F 15/16)
E04F 15/022	2-Punkt Untergruppe	. . Flooring consisting of parquetry tiles on a non-rollable sub-layer of other material, e.g. board, concrete, cork [2]
E04F 15/024	2-Punkt Untergruppe	. . Sectional false floors, e.g. computer floors
E04F 15/04	2-Punkt Untergruppe	. . only of wood, e.g. with wooden connecting members (rollable parquet E04F 15/16)
E04F 15/06	2-Punkt Untergruppe	. . of metal, whether or not in combination with other material (gratings as building elements E04C 2/42)
E04F 15/08	2-Punkt Untergruppe	. . only of stone or stone-like material, e.g. concrete; of glass
E04F 15/10	2-Punkt Untergruppe	. . of other materials, e.g. fibrous or chipped materials, organic plastics, magnesite, hardboard
E04F 15/12	1-Punkt Untergruppe	. Flooring or floor layers made of masses in situ, e.g. seamless magnesite floors, terrazzo (inorganic or bituminous masses C04B; organic plastic masses C08L)
E04F 15/14	2-Punkt Untergruppe	. . Construction of joints, e.g. dividing strips (sealing joints not restricted to flooring E04B 1/68)
E04F 15/16	1-Punkt Untergruppe	. Flooring, e.g. parquet on flexible web, laid as flexible webs; Webs specially adapted for use as flooring (resiliently-mounted floors, e.g. sprung floors, E04F 15/22; linoleum D06N; webs in general, manufacturing of webs, see the relevant classes)
E04F 15/18	1-Punkt Untergruppe	. Separately-laid insulating layers; Other additional insulating measures; Floating floors (insulating of buildings in general E04B 1/62)
E04F 15/20	2-Punkt Untergruppe	. . for sound insulation
E04F 15/22	1-Punkt Untergruppe	. Resiliently-mounted floors, e.g. sprung floors (laid as webs E04F 15/16) [2]
E04F 17/00	**Hauptgruppe**	**Vertical ducts; Channels, e.g. for drainage (pipes in general F16L; pipe-line systems F17D)**
E04F 17/02	1-Punkt Untergruppe	. for carrying away waste gases, e.g. flue gases (free-standing chimneys E04H 12/28; connections between fireplace and chimney, chimney fittings, covers for cleaning holes of chimneys F23J; chimney tops F23L); Building elements specially designed therefor, e.g. shaped bricks or sets thereof
E04F 17/04	1-Punkt Untergruppe	. Air-ducts or air channels
E04F 17/06	1-Punkt Untergruppe	. Light shafts, e.g. for cellars
E04F 17/08	1-Punkt Untergruppe	. for receiving utility lines, e.g. cables, pipes (covers giving access to the ducts or channels, covers of inspection holes E04F 19/08) [6]
E04F 17/10	1-Punkt Untergruppe	. Arrangements in buildings for the disposal of refuse (refuse bins, gathering or removal of refuse B65F)
E04F 17/12	2-Punkt Untergruppe	. . Chutes
E04F 19/00	**Hauptgruppe**	**Other details or constructional parts for finishing work on buildings (ladders, e.g. climbing irons, E06C 9/04)**
E04F 19/02	1-Punkt Untergruppe	. Borders; Finishing strips, e.g. beadings; Light coves (for protecting edges of plaster E04F 13/06)
E04F 19/04	2-Punkt Untergruppe	. . for use between floor or ceiling and wall, e.g. skirtings
E04F 19/06	2-Punkt Untergruppe	. . specially designed for securing panels
E04F 19/08	1-Punkt Untergruppe	. Built-in cupboards; Masks of niches; Covers of holes enabling access to installations (clean-out doors of chimneys F23J)
E04F 19/10	1-Punkt Untergruppe	. Built-in gratings, e.g. foot-scrapers
E04F 21/00	**Hauptgruppe**	**Implements for finishing work on buildings (for working or treating building elements of stone or stone-like material B28D; designed specifically for special details provided for in the other groups**

Symbol	Typ	Titel
		of this subclass, see the relevant groups for the details)
E04F 21/02	1-Punkt Untergruppe	. for applying plasticised masses to surfaces, e.g. plastering walls (specially for laying flooring E04F 21/20; applying liquids or other fluent materials to surfaces, in general B05; decorative arts B44)
E04F 21/04	2-Punkt Untergruppe	. . Patterns or templates; Jointing rulers
E04F 21/05	3-Punkt Untergruppe	. . . Supports for jointing rulers
E04F 21/06	2-Punkt Untergruppe	. . Implements for applying plaster, insulating material, or the like
E04F 21/08	3-Punkt Untergruppe	. . . Mechanical implements (E04F 21/14 takes precedence; spraying apparatus in general B05B; sand-blasting B24C)
E04F 21/10	4-Punkt Untergruppe	. . . . centrifugally acting
E04F 21/12	4-Punkt Untergruppe	. . . . acting by gas pressure, e.g. steam pressure
E04F 21/14	3-Punkt Untergruppe	. . . in shafts, e.g. chimneys
E04F 21/16	2-Punkt Untergruppe	. . Implements for after-treatment of plaster or the like, e.g. smoothing tools, profile trowels
E04F 21/165	1-Punkt Untergruppe	. for finishing joints, e.g. implements for raking or filling joints, jointers (bricklayers' tools E04G 21/16; repairing, e.g. filling cracks, E04G 23/02) [3]
E04F 21/18	1-Punkt Untergruppe	. for setting wall or ceiling slabs or plates (tools for mosaic work B44C)
E04F 21/20	1-Punkt Untergruppe	. for laying flooring (made of similar material to roads or pavements E01C)
E04F 21/22	2-Punkt Untergruppe	. . of single elements, e.g. flooring cramps
E04F 21/24	2-Punkt Untergruppe	. . of masses made in situ, e.g. smoothing tools
E04F 21/26	1-Punkt Untergruppe	. for mounting staircases, e.g. tools for marking steps
E04F 21/28	1-Punkt Untergruppe	. for glazing (glass cutters C03B 33/10)
E04F 21/30	2-Punkt Untergruppe	. . Putty squeezers or guns
E04F 21/32	2-Punkt Untergruppe	. . Putty knives; Putty removers