| Symbol | Typ | Titel |
|---|---|---|
| **E** | **Sektion** | **SECTION E — FIXED CONSTRUCTIONS** |
| **E04** | **Klasse** | **BUILDING (layered materials, layered products in general B32B)** |
| **E04D** | **Unterklasse** | **ROOF COVERINGS; SKY-LIGHTS; GUTTERS; ROOF-WORKING TOOLS (coverings of outer walls by plaster or other porous material E04F 13/00)** |
| **E04D 1/00** | **Hauptgruppe** | **Roof covering by making use of tiles, slates, shingles, or other small roofing elements (roofing supports E04D 12/00)** |
| E04D 1/02 | 1-Punkt Untergruppe | . Grooved or vaulted roofing elements (E04D 1/28, E04D 1/30 take precedence) |
| E04D 1/04 | 2-Punkt Untergruppe | . . of ceramics, glass or concrete, with or without reinforcement |
| E04D 1/06 | 2-Punkt Untergruppe | . . of metal |
| E04D 1/08 | 2-Punkt Untergruppe | . . of plastics; of fibrous materials |
| E04D 1/10 | 2-Punkt Untergruppe | . . of specified materials, or of combinations of materials, not covered by any one of groups E04D 1/04-E04D 1/08 |
| E04D 1/12 | 1-Punkt Untergruppe | . Roofing elements shaped as plain tiles or shingles, i.e. with flat outer surface (E04D 1/28, E04D 1/30 take precedence) |
| E04D 1/14 | 2-Punkt Untergruppe | . . of slate material, with or without fastening means |
| E04D 1/16 | 2-Punkt Untergruppe | . . of ceramics, glass or concrete, with or without reinforcement |
| E04D 1/18 | 2-Punkt Untergruppe | . . of metal |
| E04D 1/20 | 2-Punkt Untergruppe | . . of plastics, fibrous materials, or wood |
| E04D 1/22 | 2-Punkt Untergruppe | . . of specified materials, or of combinations of materials, not covered by any one of groups E04D 1/14-E04D 1/20 |
| E04D 1/24 | 1-Punkt Untergruppe | . Roofing elements with cavities, e.g. hollow tiles (E04D 1/28 takes precedence) |
| E04D 1/26 | 1-Punkt Untergruppe | . Strip-shaped roofing elements appearing as a row of shingles |
| E04D 1/28 | 1-Punkt Untergruppe | . Roofing elements comprising two or more layers, e.g. for insulation |
| E04D 1/30 | 1-Punkt Untergruppe | . Special roof-covering elements, e.g. ridge tiles, gutter tiles, gable tiles, ventilation tiles (E04D 3/40 takes precedence; roof covering aspects of energy collecting devices E04D 13/18) |
| E04D 1/34 | 1-Punkt Untergruppe | . Fastenings for attaching roof-covering elements to the supporting elements |
| E04D 1/36 | 1-Punkt Untergruppe | . Devices for sealing the spaces or joints between roof-covering elements (sealing joints not restricted to roof covering elements E04B 1/68) |
| **E04D 3/00** | **Hauptgruppe** | **Roof covering by making use of flat or curved slabs or stiff sheets (E04D 1/00 takes precedence; built-up roofs E04D 11/02)** |
| E04D 3/02 | 1-Punkt Untergruppe | . of plane slabs, slates, or sheets, or in which the cross-section is unimportant (E04D 3/35 takes precedence) |
| E04D 3/04 | 2-Punkt Untergruppe | . . of concrete or ceramics (of asbestos cement E04D 3/18) |
| E04D 3/06 | 2-Punkt Untergruppe | . . of glass or other translucent material; Fixing means therefor (fixing glass panes by means applicable to windows E06B 3/54) |
| E04D 3/08 | 3-Punkt Untergruppe | . . . with metal glazing bars |
| E04D 3/14 | 3-Punkt Untergruppe | . . . with glazing bars of other material, e.g. of glass |
| E04D 3/16 | 2-Punkt Untergruppe | . . of metal |

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| E04D 3/18 | 2-Punkt Untergruppe | . . of specified materials, or of combinations of materials, not covered by any of groups E04D 3/04, E04D 3/06 or E04D 3/16 |
| E04D 3/24 | 1-Punkt Untergruppe | . with special cross-section, e.g. with corrugations on both sides, with ribs, flanges, or the like (E04D 3/35 takes precedence) |
| E04D 3/26 | 2-Punkt Untergruppe | . . of concrete or ceramics |
| E04D 3/28 | 2-Punkt Untergruppe | . . of glass |
| E04D 3/30 | 2-Punkt Untergruppe | . . of metal |
| E04D 3/32 | 2-Punkt Untergruppe | . . of plastics, fibrous materials, or asbestos cement |
| E04D 3/34 | 2-Punkt Untergruppe | . . of specified materials, or of combinations of materials, not covered by any one of groups E04D 3/26-E04D 3/32 |
| E04D 3/35 | 1-Punkt Untergruppe | . Roofing slabs or stiff sheets comprising two or more layers, e.g. for insulation |
| E04D 3/36 | 1-Punkt Untergruppe | . Connecting; Fastening |
| E04D 3/361 | 2-Punkt Untergruppe | . . by specially-profiled marginal portions of the slabs or sheets |
| E04D 3/362 | 3-Punkt Untergruppe | . . . by locking the edge of one slab or sheet within the profiled marginal portion of the adjacent slab or sheet, e.g. using separate connecting elements |
| E04D 3/363 | 3-Punkt Untergruppe | . . . with snap action [4] |
| E04D 3/3645 | 3-Punkt Untergruppe | . . . by interference fitting [4] |
| E04D 3/365 | 2-Punkt Untergruppe | . . by simple overlapping of the marginal portions with use of separate connecting elements, e.g. hooks or bolts for corrugated sheets |
| E04D 3/366 | 2-Punkt Untergruppe | . . by closing the space between the slabs or sheets by gutters, bulges, or bridging elements, e.g. strips |
| E04D 3/367 | 2-Punkt Untergruppe | . . by permanent deformation of the marginal portions of adjacent slabs or sheets, e.g. by folding the edges [4] |
| E04D 3/368 | 2-Punkt Untergruppe | . . by forcing together the marginal portions of adjacent slabs or sheets |
| E04D 3/369 | 2-Punkt Untergruppe | . . by welding of the marginal portions of adjacent slabs or sheets |
| E04D 3/38 | 1-Punkt Untergruppe | . Devices for sealing spaces or joints between roof-covering elements (E04D 3/36 takes precedence; sealing joints not restricted to roof covering elements E04B 1/68) |
| E04D 3/40 | 1-Punkt Untergruppe | . Slabs or sheets locally modified for auxiliary purposes, e.g. for resting on walls, for serving as guttering; Elements for particular purposes, e.g. ridge elements, specially designed for use in conjunction with slabs or sheets (roof covering aspects of energy collecting devices E04D 13/18) |
| **E04D 5/00** | **Hauptgruppe** | **Roof covering by making use of flexible material, e.g. supplied in roll form (using stiff sheets E04D 3/00; gravelling of flat roofs E04D 7/00; built-up roofs E04D 11/02)** |
| E04D 5/02 | 1-Punkt Untergruppe | . of materials impregnated with sealing substances, e.g. roofing felt |
| E04D 5/04 | 1-Punkt Untergruppe | . by making use of metal foils |
| E04D 5/06 | 1-Punkt Untergruppe | . by making use of plastics |
| E04D 5/08 | 1-Punkt Untergruppe | . by making use of other materials |
| E04D 5/10 | 1-Punkt Untergruppe | . by making use of compounded or laminated materials, e.g. metal foils or plastic films coated with bitumen ( E04D 5/12 takes precedence) |
| E04D 5/12 | 1-Punkt Untergruppe | . specially modified, e.g. perforated, with granulated surface, with attached pads |

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| E04D 5/14 | 1-Punkt Untergruppe | . Fastening means therefor |
| **E04D 7/00** | **Hauptgruppe** | **Roof covering by sealing masses applied in situ; Gravelling of flat roofs** |
| **E04D 9/00** | **Hauptgruppe** | **Roof covering by using straw, thatch, or like materials (impregnation against incendiary damage B27K)** |
| **E04D 11/00** | **Hauptgruppe** | **Roof covering, as far as not restricted to features covered by only one of groups E04D 1/00-E04D 9/00; Roof covering in ways not provided for by groups E04D 1/00-E04D 9/00** |
| E04D 11/02 | 1-Punkt Untergruppe | . Built-up roofs, i.e. consisting of two or more layers bonded together in situ, at least one of the layers being of watertight composition (gravelling of flat roofs E04D 7/00; venting or ventilation E04D 13/17) |
| **E04D 12/00** | **Hauptgruppe** | **Non-structural supports for roofing materials, e.g. battens, boards (E04D 11/02 takes precedence)** |
| **E04D 13/00** | **Hauptgruppe** | **Special arrangements or devices in connection with roof coverings; Roof drainage (ventilation tiles E04D 1/30; ventilation slabs E04D 3/40; internal channels E04F 17/00; roofing elements therefor, see the relevant groups)** |
| E04D 13/02 | 1-Punkt Untergruppe | . Roof-covering aspects of dormer windows (E04D 13/14 takes precedence; structures therefor E04B 7/18) |
| E04D 13/03 | 1-Punkt Untergruppe | . Sky-lights; Domes; Ventilating sky-lights (E04D 13/14 takes precedence; structures therefor E04B 7/18) |
| E04D 13/035 | 2-Punkt Untergruppe | . . characterised by having movable parts |
| E04D 13/04 | 1-Punkt Untergruppe | . Roof drainage; Drainage fittings in flat roofs (gutter tiles E04D 1/30; gutter slabs E04D 3/40; street gullies E03F 5/04) |
| E04D 13/064 | 2-Punkt Untergruppe | . . Gutters [6] |
| E04D 13/068 | 3-Punkt Untergruppe | . . . Means for fastening gutter parts together [6] |
| E04D 13/072 | 3-Punkt Untergruppe | . . . Hanging means (in combination with means for fastening gutter parts together E04D 13/068) [6] |
| E04D 13/076 | 2-Punkt Untergruppe | . . Devices or arrangements for removing snow, ice or debris from gutters or for preventing accumulation thereof [6] |
| E04D 13/08 | 2-Punkt Untergruppe | . . Down pipes; Special clamping means therefor (clamping pipes in general F16B, F16L) |
| E04D 13/10 | 1-Punkt Untergruppe | . Snow traps |
| E04D 13/12 | 1-Punkt Untergruppe | . Devices or arrangements allowing walking on the roof or in the gutter |
| E04D 13/14 | 1-Punkt Untergruppe | . Junctions of roof sheathings to chimneys or other parts extending above the roof |
| E04D 13/143 | 2-Punkt Untergruppe | . . with ventilating means [6] |
| E04D 13/147 | 2-Punkt Untergruppe | . . specially adapted for inclined roofs [6] |
| E04D 13/15 | 1-Punkt Untergruppe | . Trimming strips; Edge strips; Fascias (E04D 13/14 takes precedence) [6] |
| E04D 13/152 | 2-Punkt Untergruppe | . . with ventilating means [6] |
| E04D 13/155 | 2-Punkt Untergruppe | . . retaining the roof sheathing [6] |
| E04D 13/158 | 2-Punkt Untergruppe | . . covering the overhang at the eave side, e.g. soffits, or the verge of saddle roofs [6] |
| E04D 13/16 | 1-Punkt Untergruppe | . Insulating devices or arrangements in so far as the roof covering is concerned (methods for keeping dry building structures in general E04B 1/70; buildings for extreme climates E04H 9/16) [6] |
| E04D 13/17 | 1-Punkt Untergruppe | . Ventilation of roof coverings not otherwise provided for (ventilation of rooms or spaces F24F) [6] |

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| E04D 13/18 | 1-Punkt Untergruppe | . Roof covering aspects of energy collecting devices, e.g. including solar panels (heat collectors per seF24J, e.g. solar heat collectors F24J 2/02; semiconductor devices for converting solar energy into electrical energy H01L 25/00, H01L 31/00) [4] |
| **E04D 15/00** | **Hauptgruppe** | **Apparatus or tools for roof working** |
| E04D 15/02 | 1-Punkt Untergruppe | . for roof coverings comprising tiles, shingles, or like roofing elements |
| E04D 15/04 | 1-Punkt Untergruppe | . for roof coverings comprising slabs, sheets or flexible material |
| E04D 15/06 | 1-Punkt Untergruppe | . for handling roofing or sealing material in roll form |
| E04D 15/07 | 1-Punkt Untergruppe | . for handling roofing or sealing material in bulk form |