

## E04G

**SCAFFOLDING; FORMS; SHUTTERING; BUILDING IMPLEMENTS OR OTHER BUILDING AIDS, OR THEIR USE; HANDLING BUILDING MATERIALS ON THE SITE; REPAIRING, BREAKING-UP OR OTHER WORK ON EXISTING BUILDINGS**

### References relevant to classification in this subclass

*This subclass/group does not cover:*

Moulds for making units for prefabricated buildings or prefabricated stair units	<a href="#">B28B 7/22</a>
Forms or shutterings of the construction, permanent or lost forms.	<a href="#">E04B</a> , <a href="#">E04C</a>

### Glossary of terms

*In this subclass/group, the following terms (or expressions) are used with the meaning indicated:*

Scaffold	Temporary platform or support
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### Synonyms and Keywords

In patent documents the following expressions/words "formwork", "falsework", "shuttering" and "form" are often used as synonyms.

## E04G 1/00

**Scaffolds primarily resting on the ground**

### Definition statement

*This subclass/group covers:*

Workmen's or safety scaffolds i.e. temporary platforms or supports, supported mainly by the ground.

### Relationship between large subject matter areas

Scaffolds supported essentially by the building are classified in [E04G 3/00](#).

## References relevant to classification in this group

*This subclass/group does not cover:*

Stagings, scaffolding, shores or struts usable both on slipways and in dry docks	<a href="#">B63C 5/02</a>
Lifting devices for movable platforms or cabins, e.g. on vehicles, permitting workmen to place themselves in any desired position for carrying out required operations	<a href="#">B66F 11/04</a>
Component parts or accessories for scaffolds	<a href="#">E04G 5/00</a>
Ladders in general, accessories specific therefor	<a href="#">E06C</a>
Ladders with platforms	<a href="#">E06C 1/39</a>
Platforms on, or for use on, ladders	<a href="#">E06C 7/16</a>
Trestles (per se). Work benches, portable stands or supports for positioning portable tools or work to be operated on thereby of trestle type	<a href="#">F16M 11/00</a> <a href="#">B25H 1/08</a>

## Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Shelves characterised by their constructional features	<a href="#">A47F 5/00</a>
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## Special rules of classification within this group

[E04G 1/18](#), [B66F 11/04](#): Lifting devices for movable platforms or cabins, e.g. on vehicles, permitting workmen to place themselves in any desired position for carrying out required operations are classified in [B66F 11/04](#); Scaffolds adjustable in height are classified in [E04G 1/18](#).

[E04G 1/32](#), [F16M 11/00](#), [B25H 1/08](#): Trestles per se are classified in [F16M 11/00](#); Work benches, portable stands or supports for positioning portable tools or work to be operated on thereby of trestle type are classified in [B25H](#)

[1/08](#); Scaffolds designed to provide support only at a low height using trestles are classified in [E04G 1/32](#).

[E04G 1/36](#), [B65C 5/02](#): Stagings, scaffolding, shores or struts usable both on slipways and in dry docks are classified in [B65C 5/02](#); Scaffolds for particular parts of buildings or buildings of particular shape are classified in [E04G 1/36](#).

[E04G 1/38](#); [E04G 3/00](#): Scaffolds both resting on the ground and supported by the building should be classified in [E04G 1/38](#) not [E04G 3/00](#).

## **E04G 1/15**

**Scaffolds essentially comprising special means for supporting or forming platforms; (E04G1/20 takes precedence); Platforms (boards or planks therefor E04G5/08)**

### **Definition statement**

*This subclass/group covers:*

Scaffolds essentially comprising special means for supporting or forming platforms i.e. scaffolds with specific fastening features on the scaffold frame or on the board for supporting or forming platforms, e.g. hooks and corresponding holes.

### **References relevant to classification in this group**

*This subclass/group does not cover:*

Scaffold boards or planks i.e. plain scaffold boards of planks without specific fastening features, e.g. hooks or corresponding holes.	<a href="#">E04G 5/08</a>
Clips or connections for securing boards, i.e. clips which are part of neither the plank or board nor the scaffold frame	<a href="#">E04G 7/28</a>
Ladders with platforms	<a href="#">E06C 1/39</a>
Platforms on, or for use on, ladders	<a href="#">E06C 7/16</a>

### **Special rules of classification within this group**

[E04G 1/15](#), [E04G 5/08](#), [E04G 7/28](#): Plain scaffold boards or planks without specific fastening means should be classified in [E04G 5/08](#); Clips or connecting means for securing boards, i.e. clips which are part of neither the

plank or board nor of the scaffold frame should be classified in [E04G 7/28](#); Scaffolds essentially comprising specific fastening means on either the scaffold frame or on the board, e.g. hooks and corresponding holes, should be classified in [E04G 1/15](#).

## **E04G 3/00**

**Scaffolds essentially supported by building constructions, e.g. adjustable in height (E04G1/00 takes precedence)**

### **Definition statement**

*This subclass/group covers:*

Workmen's or safety scaffolds (i.e. temporary platforms or supports) supported mainly by the building construction.

### **Relationship between large subject matter areas**

Scaffolds primarily resting on the ground are classified in [E04G 1/00](#). Scaffolds both resting on the ground and supported by the building are classified in [E04G 1/38](#) not in [E04G 3/00](#).

### **References relevant to classification in this group**

*This subclass/group does not cover:*

Component parts or accessories for scaffolds	<a href="#">E04G 5/00</a>
Means for fastening, supporting, or bracing scaffolds on or against building constructions	<a href="#">E04G 5/04</a>
Scaffold consoles or brackets	<a href="#">E04G 5/06</a>
Safety or protective measures against falling down for persons during the construction of buildings, i.e. with the function of preventing or catching a fall and without the function of supporting the persons performing their normal work	<a href="#">E04G 21/3204</a>
Stagings, scaffolding, shores or struts usable both on slipways and in dry docks	<a href="#">B63C 5/02</a>
Devices or arrangements allowing walking on the roof or in the gutter	<a href="#">E04D 13/12</a>

Movable inspection or maintenance platforms, e.g. travelling scaffolding or vehicles specially designed to provide access to the undersides of bridges	<a href="#">E01D 19/106</a>
Lifting devices for movable platforms or cabins, e.g. on vehicles, permitting workmen to place themselves in any desired position for carrying out required operations	<a href="#">B66F 11/04</a>
Scaffolds primarily resting on the ground	<a href="#">E04G 1/00</a>

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Arrangements for cleaning building facades i.e. the gondolas carrying the cleaning device of such arrangements are similar to the scaffolds' gondolas, however do not provide a support function for persons	<a href="#">E04G 23/002</a>
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### Special rules of classification within this group

[E04G 3/00](#), [E04G 5/06](#), [E04G 21/3204](#): Consoles or brackets to be fastened directly to the building and supporting persons performing their normal work are classified in [E04G 3/00](#); Consoles or brackets to be fastened directly to the building with the function of preventing or catching a fall and without the function of supporting the persons performing their normal work are classified in [E04G 21/3204](#); Consoles for scaffoldings are classified in [E04G 5/06](#).

## E04G 5/00

### Component parts or accessories for scaffolds (connections E04G7/00 )

#### Definition statement

*This subclass/group covers:*

Accessories for scaffolds, in particular scaffolds' feet, fastening means to building construction, consoles or brackets, boards or planks, steps or

ladders, canopies, railings and struts or stiffening rods, devices which are specifically designed to be attached to the scaffold and to store building material or tools.

## References relevant to classification in this group

*This subclass/group does not cover:*

Consoles or brackets essentially supported by building constructions and supporting persons performing their normal work	<a href="#">E04G 3/00</a>
Connections between parts of the scaffold	<a href="#">E04G 7/00</a>
Scaffolds essentially comprising special means for supporting or forming platforms i.e. scaffolds with specific fastening features on the scaffold frame or on the board for supporting or forming platforms (e.g. hooks and corresponding holes, etc.)	<a href="#">E04G 1/15</a>
Clips or connections for securing boards, i.e. clips which are part of neither the plank or board nor the scaffold frame	<a href="#">E04G 7/28</a>
Safety or protective measures against falling down for persons during the construction of buildings, i.e. with the function of preventing or catching a fall and without the function of supporting the persons performing their normal work	<a href="#">E04G 21/3204</a>
Safety or protective measures preventing damage to building parts or finishing work during construction	<a href="#">E04G 21/24</a>
Temporary arrangements for giving access from one level to another for men or vehicles, e.g. steps, ramps	<a href="#">E04G 27/00</a>
Fastenings in general	<a href="#">F16B</a>
Ladders in general	<a href="#">E06C</a>

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## Informative references

Attention is drawn to the following places, which may be of interest for search:

Shelves characterised by their constructional features	<a href="#">A47F 5/00</a>
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## Special rules of classification within this group

[E04G 5/00](#), [E04G 21/3204](#): Safety or protective measures against falling down for persons during the erection of scaffolding should be classified in [E04G 5/00](#) not in [E04G 21/3204](#).

[E04G 3/00](#), [E04G 5/06](#), [E04G 21/3204](#): Consoles or brackets to be fastened directly to the building and supporting persons performing their normal work are classified in [E04G 3/00](#); Consoles or brackets to be fastened directly to the building with the function of preventing or catching a fall and without the function of supporting the persons performing their normal work are classified in [E04G 21/3204](#); Consoles for scaffoldings are classified in [E04G 5/06](#).

[E04G 5/08](#), [E04G 1/15](#), [E04G 7/28](#): Plain scaffold boards or planks without specific fastening means should be classified in [E04G 5/08](#); Clips or connecting means for securing boards, i.e. clips which are part of neither the plank or board nor the scaffold frame are classified in [E04G 7/28](#); scaffolds essentially comprising specific fastening means on either the scaffold frame or on the board, e.g. hooks and corresponding holes are classified in [E04G 1/15](#).

[E04G 5/10](#), [E04G 27/00](#): Steps or ramps as construction implements or construction aid are classified in [E04G 27/00](#); Steps for scaffoldings are classified in [E04G 5/10](#)

[E04G 5/12](#), [E04G 21/24](#): Details of scaffoldings' canopies should be classified in [E04G 5/12](#); Details about the use of scaffoldings with canopies to protect buildings during construction should be classified in [E04G 21/24](#).

## E04G 7/00

**Connections between parts of the scaffold (for building structures in general E04B1/38 ; connections in general F16B)**

### Definition statement

*This subclass/group covers:*

Connection between parts of the scaffold, e.g. with separate coupling elements e.g. ropes, cables, chains, clamps or with non-detachable coupling elements.

## References relevant to classification in this group

*This subclass/group does not cover:*

Connections for (permanent) building structures in general	<a href="#">E04B 1/38</a>
Connections in general	<a href="#">F16B</a>
Connections of rods or tubes in general	<a href="#">F16B 7/00</a>
Means for fastening cables or ropes to one another or to other objects	<a href="#">F16G 11/00</a>
Scaffolds essentially comprising special means for supporting or forming platforms i.e. scaffolds with specific fastening features on the scaffold frame or on the board for supporting or forming platforms, e.g. hooks and corresponding holes.	<a href="#">E04G 1/15</a>
Accessories for scaffolds, in particular scaffolds' feet, fastening means to building construction, consoles or brackets, boards or planks, steps or ladders, canopies, railings and struts or stiffening rods.	<a href="#">E04G 5/00</a>
Scaffold boards or planks i.e. plain scaffold boards or planks without details of specific fastening features, e.g. hooks or corresponding holes.	<a href="#">E04G 5/08</a>

## Special rules of classification within this group

[E04G 7/28](#), [E04G 1/15](#), [E04G 5/08](#): Plain scaffold boards or planks without specific fastening means are classified in [E04G 5/08](#); Clips or connecting means for securing boards, i.e. clips which are part of neither the plank or board nor the scaffold frame are classified in [E04G 7/28](#); scaffolds essentially comprising specific fastening means on either the scaffold frame or on the board, e.g. hooks and corresponding holes, are classified in [E04G 1/15](#).

## **E04G 9/00**

## Forming or shuttering elements for general use

### Definition statement

*This subclass/group covers:*

Forming or shuttering elements for general use, re-usable and to be used in situ.

### References relevant to classification in this group

*This subclass/group does not cover:*

Forms, shutterings, or falsework for making walls, floors, ceilings, or roofs, i.e. formworks showing features specific for the casting of walls, floors, ceiling	<a href="#">E04G 11/00</a>
Falsework, forms, or shutterings for particular parts of buildings, e.g. stairs, steps, cornices, balconies, i.e. formworks showing features specific for the casting of particular parts of buildings, e.g. stairs, steps, cornices, balconies.	<a href="#">E04G 13/00</a>
Forms or shutterings for making (i.e. formworks showing features specific for the casting of openings, cavities, slits, or channels) cf. <a href="#">E04G 15/00</a> .	<a href="#">E04G 15/00</a>
Moulds; Cores; Mandrels to be used for prefabrication of elements in prefabrication plants rather than in-situ.	<a href="#">B28B 7/00</a>

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Building elements of relatively thin form for the construction of parts of buildings, e.g. sheet materials, slabs, or panels	<a href="#">E02C 2/00</a>
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## Special rules of classification within this group

[E04G 9/00](#), [B28B 7/00](#): forms to be used in situ are classified in [E04G 9/00](#), forms to be used in prefabrication plants are classified in [B28B 7/00](#).

## E04G 11/00

### Forms, shutterings, or falsework for making walls, floors, ceilings, or roofs

#### Definition statement

*This subclass/group covers:*

Forms, shutterings, or falsework for making walls, floors, ceilings, or roofs, re-usable and to be used in situ.

#### References relevant to classification in this group

*This subclass/group does not cover:*

Forming or shuttering elements for general use	<a href="#">E04G 9/00</a>
Falsework, forms, or shutterings for particular parts of buildings, e.g. stairs, steps, cornices, balconies, i.e. formworks showing features specific for the casting of particular parts of buildings, e.g. stairs, steps, cornices, balconies	<a href="#">E04G 13/00</a>
Forms or shutterings for making i.e. formworks showing features specific for the casting of openings, cavities, slits, or channels	<a href="#">E04G 15/00</a>
Props, struts or chocks for the construction	<a href="#">E04G 25/00</a>
Floor structures wholly cast in situ with or without form units or reinforcements, i.e. floors with lost forms rather than re-usable forms	<a href="#">E04B 5/32</a>
Moulds for making units for prefabricated buildings, i.e. moulds for the prefabrication of units for prefabricated buildings in a prefabrication site rather than in situ	<a href="#">B28B 7/22</a>

Structures made from masses, e.g. of concrete, cast or similarly formed in situ with or without making use of additional elements, such as permanent forms made of particular materials, e.g. layered products, rather than re-usable forms	<a href="#">E04B 1/167</a>
Walls made by casting, pouring, or tamping in situ made in permanent forms rather than in re-usable forms	<a href="#">E04B 2/86</a>

### Special rules of classification within this group

[E04G 11/00](#), [B28B 7/22](#): Forms to be used in situ are classified in [E04G 11/00](#); Forms to be used in prefabrication plants are classified in [B28B 7/22](#).

[E04G 11/00](#), [E04B 5/32](#), [E04B 1/167](#), [E04B 2/86](#): Re-usable forms are classified in [E04G 11/00](#); Lost forms are classified in [E04B 5/32](#), [E04B 1/167](#) or [E04B 2/86](#).

[E04G 11/48](#), [E04G 25/00](#): Structures with features specific for supporting shutterings or frames for floors or roofs are classified in [E04G 11/48](#); Props, struts and chocks for the construction in general are classified in [E04G 25/00](#).

## E04G 13/00

**Falsework, forms, or shutterings for particular parts of buildings, e.g. stairs, steps, cornices, balconies, foundations, sills [N: foundations, sills]**

### Definition statement

*This subclass/group covers:*

Falsework, forms, or shutterings for particular parts of buildings, e.g. stairs, steps, cornices, balconies, re-usable and to be used in situ.

### References relevant to classification in this group

*This subclass/group does not cover:*

Stop-end shutterings for floors, ceilings, or roofs of plane or curved surfaces	<a href="#">E04G 11/365</a>
Flat foundations with lost forms rather than re-usable forms	<a href="#">E02D 27/01</a>

Removable forms or shutterings for road-building purposes	<a href="#">E01C 19/50</a>
Columns; Pillars; Struts of concrete or other stone-like material, with or without permanent form elements, with or without internal or external reinforcement, e.g. metal coverings using permanent forms rather than in re-usable forms	<a href="#">E04C 3/34</a>
Moulds for making units for prefabricated buildings in a prefabrication site rather than in situ; Moulds for making prefabricated stair units in a prefabrication site rather than in situ	<a href="#">B28B 7/225</a>
Stairways; Layouts thereof, which are using permanent forms rather than in re-usable forms	<a href="#">E04F 11/02</a>

### Special rules of classification within this group

[E04G 13/00](#), [E02D 27/01](#): Re-usable forms for foundations are classified in [E04G 13/00](#), foundations with lost forms are classified in [E02D 27/01](#).

[E04G 13/02](#), [E04C 3/34](#): Re-usable forms for columns are classified in [E04G 13/02](#), columns with lost forms are classified in [E04C 3/34](#).

[E04G 13/06](#), [B28B 7/225](#), [E04F 11/02](#): Re-usable forms for stairs to be used in situ are classified in [E04G 13/06](#), forms for stairs to be used in a prefabrication plant are classified in [B28B 7/225](#), stairs elements with lost shuttering are classified in [E04F 11/02](#).

## E04G 15/00

**Forms or shutterings for making openings, cavities, slits, or channels (forming part of shuttering for walls E04G11/06, [N: e.g. double walls E04G11/18 ])**

### Definition statement

*This subclass/group covers:*

Forms or shutterings for making openings, cavities, slits, or channels, to be used in situ.

## References relevant to classification in this group

*This subclass/group does not cover:*

Forms forming part of shuttering for walls, [N: e.g. double walls <a href="#">E04G 11/18</a> ]	<a href="#">E04G 11/06</a>
Forms forming part of shuttering for double walls	<a href="#">E04G 11/18</a>
Means in or on the elements for connecting same to handling apparatus, i.e. anchors in or on building elements specially adapted for handling these elements	<a href="#">E04G 21/142</a>
Templates or adjusting tools for anchoring elements or elements to be incorporated in the structure	<a href="#">E04G 21/185</a>
Arrangements specially adapted for the production of shaped articles with elements wholly or partly embedded in the moulding material, to be used in the prefabrication process in prefabrication plants; Core or mandrels to be used in the prefabrication process in prefabrication plants	<a href="#">B28B 23/00</a> , <a href="#">B28B 23/005</a> , <a href="#">B28B 23/0056</a> , <a href="#">B28B 7/28</a>
Installations of electric cables or lines in or on buildings, distribution boxes	<a href="#">H02G 3/08</a>

## Special rules of classification within this group

[E04G 15/04](#), [E04G 21/142](#): Cores for the anchors are classified in [E04G 15/04](#); Anchors per se are classified in [E04G 21/142](#).

[E04G 15/00](#), [B28B 23/00](#), [B28B 23/005](#), [B28B 23/0056](#), [B28B 7/28](#): Forms or shutterings for making openings, re-usable or lost, to be used in situ are classified in [E04G 15/00](#); Forms or shutterings for making openings, to be used in the prefabrication process in prefabrication plants are classified in [B28B 23/00](#), [B28B 23/005](#), [B28B 23/0056](#), [B28B 7/28](#)

[E04G 15/06](#), [H02G 3/08](#): electric distribution boxes are classified in [H02G 3/08](#) not in [E04G 15/06](#).

## E04G 17/00

### Connecting or other auxiliary members for forms, falsework structure, or shutterings

#### Definition statement

*This subclass/group covers:*

Connecting or other auxiliary members for forms, falsework structure, or shutterings, for re-usable forms to be used in situ.

#### References relevant to classification in this group

*This subclass/group does not cover:*

Forms for rooms as a whole, by which walls and floors are cast simultaneously, whole storeys, or whole buildings	<a href="#">E04G 11/02</a>
Forms for vertical ducts	<a href="#">E04G 11/06</a>
Forms for columns	<a href="#">E04G 13/02</a>
Struts fro the construction	<a href="#">E04G 25/00</a>
Walls made by casting, pouring, or tamping in situ made in permanent forms with ties going through the forms. i.e. ties for lost forms	<a href="#">E04B 2/8647</a>

#### Special rules of classification within this group

[E04G 17/04](#), [E04B 2/8647](#): Ties for re-usable forms are classified in [E04G 17/04](#); Ties for lost forms are classified in [E04B 2/8647](#).

## E04G 19/00

### Auxiliary treatment of forms, e.g. dismantling; Cleaning devices (lubricating compositions C10M)

#### Definition statement

*This subclass/group covers:*

Auxiliary treatment of forms, e.g. dismantling; Cleaning devices.

## References relevant to classification in this group

*This subclass/group does not cover:*

Load-engaging elements or devices attached to lifting or lowering gear of cranes or adapted for connection therewith for transmitting lifting forces to articles or groups of articles by mechanical means	<a href="#">B66C 1/10</a>
Lubricating compositions	<a href="#">C10M</a>

## Special rules of classification within this group

[E04G 19/00](#), [C10M](#): Lubricating compositions are classified in [C10M](#) not in [E04G 19/00](#).

[E04G 19/003](#), [B66C 1/10](#): Arrangements for moving specifically forms from one place to the other are classified in [E04G 19/003](#); Arrangements for moving general items from one place to the other are classified in [B66C 1/10](#).

## E04G 21/00

**Preparing, conveying, or working-up building materials or building elements in situ; Other devices or measures for constructional work (conveying in general B65G; lifting devices B66; working stone-like materials B28D; measuring instruments G01)**

### Definition statement

*This subclass/group covers:*

Preparing, conveying, or working-up building materials or building elements in situ; Other devices or measures for constructional work.

## References relevant to classification in this group

*This subclass/group does not cover:*

Tying devices for hops, vines or trees with e.g. wire	<a href="#">A01G 17/08</a>
Fastening devices for devices for lowering persons from buildings or the like	<a href="#">A62B 1/04</a>

Devices for lowering persons from buildings or the like by making use of jumping devices, e.g. jumping-sheets, jumping-mattresses	<a href="#">A62B 1/22</a>
Climbing tools, e.g. climbing irons for masts	<a href="#">A62B 27/00</a>
Safety belts or body harnesses; Similar equipment for limiting displacement of the human body, especially in case of sudden changes of motion	<a href="#">A62B 35/00</a>
Generating vibration is general	<a href="#">B06B</a>
Workshop marking tools	<a href="#">B25H</a>
Producing shaped articles	<a href="#">B28B 1/00</a>
Arrangements specially adapted for the production of shaped articles with elements wholly or partly embedded in the moulding material, with anchoring or fastening elements for the shaped articles	<a href="#">B28B 23/005</a>
Working concrete in general, e.g. mixing machines	<a href="#">B28C</a>
Working stone-line materials	<a href="#">B28D</a>
Cord-line chalkers	<a href="#">B44D 3/38</a>
Bundling articles, details of, or auxiliary devices used in, bundling machines, securing ends of binding material by twisting	<a href="#">B65B 13/28</a>
Bundling articles by twisting e.g. wire	<a href="#">B65B 13/28</a>
Conveying in general	<a href="#">B65G</a>
Lifting in general	<a href="#">B66</a>
Load-engaging elements or devices attached to lifting or lowering gear of	<a href="#">B66C 1/666</a>

cranes or adapted for connection therewith for transmitting lifting forces to articles or groups of articles by mechanical means comprising article-engaging members of a shape complementary to that of the articles to be handled for engaging holes, recesses, or abutments on articles specially provided for facilitating handling thereof for connection to anchor inserts embedded in concrete structures	
Composition of concrete	<a href="#">C04B</a>
Construction and surfacing of floorings made of similar material to roads or pavements	<a href="#">E01C</a>
Road building	<a href="#">E01C 19/00</a>
Barrages	<a href="#">E02B 7/00</a>
Foundations	<a href="#">E02D 15/00</a>
Devices for solidifying also soil	<a href="#">E02D 3/00</a>
Ducts specially adapted to be used in prestressed construction	<a href="#">E04C 5/10</a>
Anchoring devices specially adapted to be used in prestressed construction	<a href="#">E04C 5/12</a>
Connections of reinforcing elements and spacers	<a href="#">E04C 5/16</a>
Devices or arrangements allowing walking on the roof or in the gutter	<a href="#">E04D 13/12</a>
Finishing work	<a href="#">E04F</a>
Implements for after-treatment of plaster or the like, e.g. smoothing-tools, profile trowels	<a href="#">E04F 21/16</a>
Adjusting tools, templates for	<a href="#">E04F 21/18</a>

coverings or linings	
Implements for finishing work on buildings, for laying flooring of masses made in situ, e.g. smoothing tools	<a href="#">E04F 21/24</a>
Component parts or accessories for scaffolds	<a href="#">E04G 5/00</a>
Cores for anchor holes or the like	<a href="#">E04G 15/04</a>
Strutting existing buildings	<a href="#">E04G 23/04</a>
Construction props or struts in general	<a href="#">E04G 25/00</a>
Consoles; Brackets for scaffoldings	<a href="#">E04G 5/06</a>
Canopies for scaffolds	<a href="#">E04G 5/12</a>
Canopies for scaffolds	<a href="#">E04G 5/12</a>
Devices for erecting fences	<a href="#">E04H 17/26</a>
Concrete pumps	<a href="#">F04</a>
Measuring instruments	G01

### Special rules of classification within this group

[E04G 21/122](#), [B65B 13/28](#): Bundling machines specific for bundling reinforcement bars in position are classified in [E04G 21/125](#); Bundling machines in general are classified in [B65B 13/28](#).

[E04G 21/142](#), [E04G 15/04](#): Core for the anchors are classified in [E04G 15/04](#); Building elements with the anchors per se are classified in [E04G 21/142](#).

[E04G 21/142](#), [B66C 1/666](#): Building elements with the anchors per se are classified in [E04G 21/142](#); Features used to attach the sling to the anchor are classified in [B66C 1/666](#).

[E04G 21/24](#), [E04G 5/12](#): Details of scaffolds' canopies should be classified in [E04G 5/12](#); Details about the use of scaffoldings with canopies to protect buildings during construction should be classified in [E04G 21/24](#).

[E04G 21/3204](#), [E04G 3/00](#), [E04G 5/06](#): Consoles or brackets to be fastened directly to the building and supporting persons performing their normal work are classified in [E04G 3/00](#); Consoles or brackets to be fastened directly to the building with the function of preventing or catching a fall and without the function of supporting the persons performing their normal work are classified in [E04G 21/3204](#); Consoles for scaffoldings are classified in [E04G 5/06](#).

[E04G 21/3204](#), [E04G 5/00](#): Safety or protective measures against falling down for persons during the erection of scaffolding should be classified in [E04G 5/00](#).

[E04G 21/3204](#), [A62B 1/00](#), [A62B 35/00](#): Safety or protective measures against falling down for persons during the construction of buildings are classified in [E04G 21/3204](#); Safety or protective measures against falling down for persons in general are classified in [A62B 1/00](#), [A62B 35/00](#).

[E04G 21/3204](#), [E04D 13/12](#): Safety or protective measures against falling down for persons during the construction of buildings are classified in [E04G 21/3204](#); Devices or arrangements allowing walking on the roof or in the gutter are classified in [E04D 13/12](#).

## **E04G 23/00**

**Working measures on existing buildings ([N: domestic cleaning of walls or floors A47L11/00; grinding floors or walls B24B7/18; removing of wall coverings B44C7/00; removing of paint from surfaces B44D3/16; electrochemical desalination or re-alkalisation C04B41/00]; on foundations E02D35/00, E02D37/00 ; in connection with insulations E04B; subsequent or finishing work E04F)**

### **Definition statement**

*This subclass/group covers:*  
Working measures on existing buildings.

### **References relevant to classification in this group**

*This subclass/group does not cover:*

Domestic washing or cleaning (of e.g. floors or windows)	<a href="#">A47L</a>
Cleaning in general	<a href="#">B08B</a>
Shearing machines or shearing devices cutting by blades pivoted on a single axis	<a href="#">B23D 17/00</a>

Grinding floors or walls	<a href="#">B24B 7/18</a>
Removing of wall coverings	<a href="#">B44C 7/00</a>
Removing of paint from surfaces	<a href="#">B44D 3/16</a>
Compositions of filling material	<a href="#">C04B</a>
Electrochemical desalination or re-alkalisation	<a href="#">C04B 41/00</a>
Strengthening, widening, repairing of bridges	<a href="#">E01D 22/00</a>
Straightening, lifting, or lowering of foundation structures or of constructions erected on foundations	<a href="#">E02D 35/00</a>
Repair of damaged foundations or foundation structure	<a href="#">E02D 37/00</a>
Mechanically-driven dredgers or soil shifting machines with arrangements on backhoes for alternate use of different metal-cutting or concrete-crushing implements	<a href="#">E02F 3/96D4</a>
Drying damp layers by temporary mechanical ventilation	<a href="#">E04B 1/7092</a>
Reinforcing elements, e.g. for concrete; Auxiliary elements therefor	<a href="#">E04C 5/00</a>
Finishing work	<a href="#">E04F</a>
Struts or props for the construction	<a href="#">E04G 25/00</a>
Repair or reinforcement of the post or pole	<a href="#">E04H 12/2292</a>
Wrecking of fences	<a href="#">E04H 17/26</a>

**Special rules of classification within this group**

[E04G 23/002](#), [A47L](#), [B08B](#): Cleaning of façades is classified in [E04G 23/002](#); Domestic cleaning of e.g. floors and windows, is classified in [A47L](#); Cleaning in general is classified in [B08B](#).

[E04G 23/02](#), [C04B 41/00](#): Electrochemical desalination or re-alkalisation of buildings is classified in [C04B 41/00](#) not in [E04G 23/02](#).

[E04G 23/0218](#), [E04C 5/00](#): Retrofitting an existing building with new or additional reinforcement is classified in [E04G 23/0218](#); Reinforcement to be applied in new building is classified in [E04C 5/00](#).

[E04G 23/0218](#), [E02D 35/00](#), [E02D 37/00](#): Repairing foundations of a building is classified in [E02D 35/00](#) or [E02D 37/00](#) respectively; Repairing a building is classified in [E04G 23/02](#).

[E04G 23/02](#), [E04G 23/0218](#), [E04H 12/2292](#): Repairing of buildings is classified in [E04G 23/02](#), [E04G 23/0218](#), Repairing of posts or poles is classified in [E04H 12/2292](#).

Subject matter relating to working measures on existing buildings which are analogous to those used in constructing new buildings, are classified in the appropriate construction groups.

## Glossary of terms

*In this subclass/group, the following terms (or expressions) are used with the meaning indicated:*

Building	In this group, the expression building defines a house, school, a store, etc. In this group, the expression building excludes other specialized civil works constructions such as bridges, dams, oil platform, nuclear plants, etc., working measures on such specialised constructions is usually dealt with in the subclasses/groups relating to these constructions
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## E04G 25/00

**Shores or struts; (specially designed for use in mines  
E21D15/00 ) Chocks**

### Definition statement

*This subclass/group covers:*

Shores, struts or chocks for the construction industry.

## References relevant to classification in this group

*This subclass/group does not cover:*

Props for mines	<a href="#">E21D 15/00</a>
Bordering or stiffening the sides of ditches or trenches or narrow shafts for foundations	<a href="#">E02D 17/08</a>
Supporting structures for shutterings or frames for floors or roofs	<a href="#">E04G 11/48</a>
Strutting means for wall parts during construction e.g. for holding in position prefabricated walls	<a href="#">E04G 21/26</a>
Strutting of existing buildings	<a href="#">E04G 23/04</a>

## Special rules of classification within this group

[E04G 25/00](#), [E04G 11/48](#): Structures with features specific for supporting shutterings or frames for floors or roofs are classified in [E04G 11/48](#); Props, struts and chocks for the construction in general are classified in [E04G 25/00](#).

## E04G 27/00

**Temporary arrangements for giving access from one level to another for men or vehicles, e.g. steps, ramps (for scaffolds E04G1/26 ; gangways B63; lifts B66)**

### Definition statement

*This subclass/group covers:*

Temporary arrangements for giving access from one level to another for men or vehicles, e.g. steps, ramps, as building implement or building aid.

## References relevant to classification in this group

*This subclass/group does not cover:*

Gangways for ships	<a href="#">B63</a>
Lifts	<a href="#">B66</a>
Steps or ladders specially adapted for	<a href="#">E04G 5/10</a>

scaffolds	
Ramps	<a href="#">E04F 11/002</a>

### **Special rules of classification within this group**

[E04G 27/00](#), [E04F 11/002](#): Steps or ramps as construction implements or construction aid are classified in [E04G 27/00](#); Steps or ramps in general are classified in [E04F 11/002](#).

[E04G 27/00](#), [E04G 5/10](#): Steps or ramps as construction implements or construction aid are classified in [E04G 27/00](#); Steps for scaffolds are classified in [E04G 5/10](#).