

## E01C

**CONSTRUCTION OF, OR SURFACES FOR, ROADS, SPORTS GROUNDS, OR THE LIKE; MACHINES OR AUXILIARY TOOLS FOR CONSTRUCTION OR REPAIR (forming roads or like surfaces by compacting or grading snow or ice [E01H](#))**

### Definition statement

*This place covers:*

Outdoor pavements and their foundations:

- General design or layout of roads;
- Paving made of prefabricated single units;
- Coherent paving made in situ;
- Special paving;
- Details of paving;
- Paving or foundation specially adapted for playgrounds or sports grounds;
- Paving specially adapted for footpaths, sidewalks or cycle tracks;
- Pavements lights.

Machines and methods for making, placing, working or repairing road surfacing and its foundations.

### References

#### Limiting references

*This place does not cover:*

Bridges	<a href="#">E01D</a>
Equipments for roads; traffic islands; drainage of the sub-base of roads	<a href="#">E01F</a>
Forming roads or like surfaces by compacting or grading snow or ice	<a href="#">E01H</a>

#### Informative references

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

Foundations in general	<a href="#">E02D</a>
Dredging; Soil shifting	<a href="#">E02F</a>
Indoor flooring	<a href="#">E04F</a>

### Special rules of classification

Further details of paving elements not covered by the groups [E01C 5/00](#), [E01C 9/00](#) and [E01C 11/00](#), e.g. spacing features, interlocking, joining or drainage details are additionally classified in [E01C 2201/00](#).

Further machine characteristics, parts or accessories not covered by the groups [E01C 19/00](#), [E01C 21/00](#), [E01C 23/00](#), i.e. feeding devices for pavers, heated screeds, extendable screeds, screed or paver accessories and cabin details are additionally classified in [E01C 2301/00](#).

Outdoor paving surfaces made of, or comprising synthetic grass are always classified in [E01C 13/08](#), even when not disclosed as being adapted for sports.

## E01C 1/00

Design or layout of roads, e.g. for noise abatement, for gas absorption (design or layout of sports grounds [A63C 19/00](#); design or layout of airfields [B64F](#) {, of helicopter landing stages [E01F 3/00](#)})

### Definition statement

*This place covers:*

General layout of roads incl.

- street systems and cross-sections of roads, as well as
- special road design for noise abatement or for compelling drivers to slow down,
- arrangements for gas absorption and
- road crossings.

### References

#### Limiting references

*This place does not cover:*

Design or layout of sports grounds	<a href="#">A63C 19/00</a>
Design or layout of airfields	<a href="#">B64F</a>
Construction of traffic islands	<a href="#">E01F 1/00</a>
Design or layout of helicopter landing stages	<a href="#">E01F 3/00</a>
Speed bumps	<a href="#">E01F 9/529</a>
Ventilation of tunnels	<a href="#">E21F 1/00</a>

## E01C 1/002

{Design or lay-out of roads, e.g. street systems, cross-sections ([E01C 1/005](#), [E01C 1/007](#) take precedence; of footpaths, sidewalks, berms, hard shoulders or cycle tracks [E01C 15/00](#)); Design for noise abatement, e.g. sunken road (reducing transmission of structure-born noise [E01C 3/06](#); arrangements for absorbing or reflecting air transmitted road traffic noise, e.g. barriers [E01F 8/00](#))}

### References

#### Limiting references

*This place does not cover:*

Arrangements for absorbing or reflecting air transmitted road traffic noise, e.g. barriers	<a href="#">E01F 8/00</a>
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## E01C 1/005

{Means permanently installed along the road for removing or neutralising exhaust gases (collecting exhaust gases with central suction systems, e.g. in workshops or tunnels, [B08B 15/002](#))}

### References

#### Limiting references

*This place does not cover:*

Ventilation of tunnels	<a href="#">E21F 1/00</a>
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## E01C 1/007

{Design or auxiliary structures for compelling drivers to slow down or to proceed with caution, e.g. tortuous carriageway; Arrangements for discouraging high-speed or non-resident traffic (decelerating or arresting surfacings [E01C 9/007](#); road surface configuring or surface arrangements for enforcing reduced speed or required caution, e.g. speed-control humps [E01F 9/529](#))}

### References

#### Limiting references

*This place does not cover:*

Vehicle decelerating or arresting surfacings	<a href="#">E01C 9/007</a>
Speed bumps	<a href="#">E01F 9/529</a>

## E01C 3/00

Foundations for pavings (specially adapted for playgrounds or sports grounds [E01C 13/02](#); foundations in general [E02D](#))

### Definition statement

*This place covers:*

Arrangements of foundations; Use of special materials for building up the foundation layers of the road; Protecting foundations from destructive influences.

### Relationships with other classification places

[E01C 3/02](#) is not used: Concrete base for bituminous paving made in situ is usually classified in [E01C 7/32](#) and in the relevant sub-groups of [E01C 7/08](#).

### References

#### Limiting references

*This place does not cover:*

Prefabricated foundation elements for prefabricated paving elements	<a href="#">E01C 5/001</a> , <a href="#">E01C 5/085</a> , <a href="#">E01C 5/223</a>
Foundations specially adapted for playgrounds or sports grounds	<a href="#">E01C 13/02</a>

Draining the subbase of roads	<a href="#">E01F 5/00</a>
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### Informative references

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

Apparatus or processes for surface stabilisation for road building	<a href="#">E01C 21/00</a>
Stabilising soil under existing surfacing	<a href="#">E01C 23/10</a>
Soil-conditioning or soil-stabilising materials	<a href="#">C09K 17/00</a>
Foundations in general	<a href="#">E02D</a>

### Special rules of classification

[E01C 3/02](#) is not used.

## E01C 5/00

Pavings made of prefabricated single units (specially adapted for playgrounds or sports grounds [E01C 13/04](#), for footpaths, sidewalks or cycle tracks [E01C 15/00](#); making artificial stones [C04B](#); building stones [E04C](#); flooring [E04F](#))

### Definition statement

*This place covers:*

The covering of roads or sidewalks consisting of prefabricated single units:

- paving units characterised by their materials;
- reinforced paving units;
- paving units characterised by the material used for beds or joints or characterised by the way of laying.

Prefabricated foundation elements and individual couplings for these paving units.

### Relationships with other classification places

Prefabricated paving units for sidewalk are generally classified here if they concern paving slabs for forming the surface covering the sidewalk; if they concern special paving elements or sets for forming the sidewalk itself, then they should be classified in [E01C 15/00](#).

## References

### Limiting references

*This place does not cover:*

Gratings	<a href="#">E01C 9/10</a>
Prefabricated paving units specially adapted for playgrounds or sports grounds	<a href="#">E01C 13/04</a>
Prefabricated pavings specially adapted for footpaths, sidewalks or cycle tracks and not being simple paving slabs (for example prefabricated elements for forming elevated sidewalks).	<a href="#">E01C 15/00</a>

### Informative references

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

Special paving	<a href="#">E01C 9/00</a>
Shaping cementitious materials incl. moulds	<a href="#">B28B</a>
Working stone	<a href="#">B28D</a>
Shaping plastic materials incl. moulds	<a href="#">B29C</a>
Making artificial stones	<a href="#">C04B</a>
Structural elements for building incl. building blocks or building slabs	<a href="#">E04C</a>
Indoor flooring	<a href="#">E04F 15/00</a>

### Special rules of classification

Paving elements consisting of material not defined or consisting of several possible different materials should be classified in [E01C 5/00](#).

Paving elements consisting of at least two different materials in one element, e.g. rubber topping over concrete layer, should be classified in [E01C 5/22](#).

Details within the paving unit itself concerning special surface design, special paving arrangements, drainage or interconnection should also be classified in [E01C 2201/00](#).

## E01C 7/00

**Coherent pavings made in situ (specially adapted for playgrounds or sports grounds [E01C 13/06](#); for footpaths, sidewalks or cycle tracks [E01C 15/00](#))**

### Definition statement

*This place covers:*

Roads surfaces including road toppings, consisting of coherent paving made at the place of use, the road surfaces being made of road-metal with or without binders or by subjecting soil to stabilisation.

Repairing of concrete or bituminous roads.

### Relationships with other classification places

Foundations for paving made in situ are usually classified in [E01C 3/00](#), except of concrete base foundation for bituminous paving, which is classified in [E01C 7/32](#) and in the relevant sub-groups of [E01C 7/08](#).

If the chemical aspect of the composition of the concrete or bituminous paving layer is relevant it should normally belong to [C04B](#) or [C08L 95/00](#) and not to [E01C 7/00](#).

### References

#### Limiting references

*This place does not cover:*

Foundations for roads	<a href="#">E01C 3/00</a>
Individual units made from concrete cast in situ	<a href="#">E01C 9/001</a>
Coherent pavings made in situ specially adapted for playgrounds or sports grounds	<a href="#">E01C 13/06</a>

Limiting references

Coherent pavings made in situ specially adapted for footpaths, sidewalks or cycle tracks	<a href="#">E01C 15/00</a>
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### Informative references

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

Foundations made by soil stabilisation	<a href="#">E01C 3/04</a>
Methods or material for repairing pavings in general	<a href="#">E01C 11/00</a>
Reinforcements in roads	<a href="#">E01C 11/16</a> , <a href="#">E01C 11/18</a>
Devices for preparing or distributing paving materials, for working the placed materials, or for forming, consolidating, or finishing the paving	<a href="#">E01C 19/00</a>
Apparatus or processes for surface stabilisation for road building	<a href="#">E01C 21/00</a>
Auxiliary devices for constructing, repairing, reconditioning, or taking-up road surfaces	<a href="#">E01C 23/00</a>
Cement like composition	<a href="#">C04B</a>
Bituminous composition	<a href="#">C08L 95/00</a>
Soil stabilising materials	<a href="#">C09K 17/00</a>

### Special rules of classification

Classes [E01C 7/20](#), [E01C 7/22](#) and [E01C 7/24](#) are not used.

If the coherent paving is made of courses of different kind made in situ, it should be classified in [E01C 7/32](#), except for thin intermediate or thin surface layers such as surface dressing, which should be classified in the relevant sub-groups of [E01C 7/35](#).

### Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Road-metal	Aggregate
Coherent paving	Paving made of a mass of cohering material

## E01C 9/00

**Special pavings (specially adapted for playgrounds or sports grounds [E01C 13/00](#), for footpaths, sidewalks or cycle tracks [E01C 15/00](#)); Pavings for special parts of roads or airfields (pavement lights [E01C 17/00](#); manholes or like covers or frames [E02D 29/14](#))**

### Definition statement

*This place covers:*

Paving elements poured in situ.

Coverings, the surface of which consists partly of prefabricated units and partly of sections made in situ.

Pavings for special parts of roads or with special functionality, incl.:

- pavings specially adapted for allowing vegetation,
- vehicle decelerating or arresting surfacings,

## Definition statement

- paving take-off areas for vertically starting aircraft,
- wheel tracks,
- pavings for railroad level-crossings,
- pavings adjacent tramways rails,
- temporary pavings or
- steel gratings.

### Relationships with other classification places

Details of special paving should also be classified in the relevant sub-groups of [E01C 5/00](#), [E01C 11/00](#) and/or [E01C 2201/00](#).

### References

#### Limiting references

*This place does not cover:*

Paving specially adapted for playgrounds or sports grounds	<a href="#">E01C 13/00</a>
Paving specially adapted for footpaths, sidewalks or cycle tracks	<a href="#">E01C 15/00</a>
Pavement lights	<a href="#">E01C 17/00</a>
Removable forms or shutterings for road-building purposes	<a href="#">E01C 19/50</a>
Bridge deck gratings	<a href="#">E01D 19/125</a>
Speed control bumps	<a href="#">E01F 9/529</a>
Manhole or like covers or frames	<a href="#">E02D 29/14</a>
Gully gratings	<a href="#">E03F 5/06</a>

#### Informative references

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

Protecting plants (trees) in general	<a href="#">A01G 13/00</a>
Moulds and cores for cementitious compositions	<a href="#">B28B 7/00</a>
Machines or methods for applying material to surfaces to form a permanent layer thereon	<a href="#">B28B 19/00</a>
Arresting surface arrangements for aircrafts	<a href="#">B64F 1/02</a>
Rail tracks for guiding vehicles	<a href="#">E01B 25/28</a>
Landing platform for helicopters	<a href="#">E01F 3/00</a>
Revetment of banks, dams, water-courses	<a href="#">E02B 3/12</a>
Indoor flooring	<a href="#">E04F 15/00</a>
Foot scrapers	<a href="#">E04F 19/10</a>

## E01C 11/00

**Details of pavings** {([E01C 1/005](#), [E01C 5/003](#), [E01C 5/005](#), [E01C 7/145](#), [E01C 7/185](#), [E01C 7/325](#) take precedence)}

### Definition statement

*This place covers:*

Methods or materials for repairing paving.

Details of paving incl.:

- joint constructions,
- reinforcements,
- gutters and kerbs and
- methods for preventing slipperiness on roads, including permanently installed heating devices.

### Relationships with other classification places

Gutters for roads are normally classified in the relevant sub-groups of [E01C 11/22](#), but if the invention relates to gully gratings, gullies adapted to be used with kerbs or interconnections of pipes with gutters, then it should be classified in [E03F](#).

Methods or arrangements for preventing slipperiness or protecting against influences of the weather are normally classified in [E01C 11/24](#) if they concern methods or arrangements applying within the paving itself, such as use of special additives to the paving material or permanently installed heating elements. If they concern methods or arrangements applying on the surface such as spreading gripping or thawing materials, then they should be classified in [E01H 10/00](#) or in [E01C 19/20](#) if they concern spreading machines for wintry services, which are not specially adapted for treating wintry roads but could also be used for spreading other materials.

### References

#### Limiting references

*This place does not cover:*

Tactile arrangements on paving surface for the visually impaired	<a href="#">A61H 3/066</a>
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## E01C 11/005

**{Methods or materials for repairing pavings ([E01C 7/35](#) takes precedence; for concrete coverings [E01C 7/147](#); for bituminous coverings [E01C 7/187](#); devices for repair works [E01C 23/06](#); repairing bridge floorings [E01D 22/00](#))}**

### References

#### Limiting references

*This place does not cover:*

Methods or materials for repairing specific concrete paving	<a href="#">E01C 7/147</a>
Methods or materials for repairing specific bituminous paving	<a href="#">E01C 7/187</a>
Repairing bridge floorings	<a href="#">E01D 22/00</a>



**Informative references**

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

Devices for repairing the surface of roads	<a href="#">E01C 23/06</a>
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**E01C 11/02**

Arrangement or construction of joints {(for pavings consisting of prefabricated units [E01C 5/00](#))}; Methods of making joints {(machines therefor [E01C 23/02](#), [E01C 23/09](#); removable joint shutterings [E01C 23/021](#))}; Packing for joints (sealing joints not restricted to road or airfield paving [E04B 1/68](#))

**References****Limiting references**

This place does not cover:

Prefabricated paving characterised by the material used for joints	<a href="#">E01C 5/003</a>
Bridge joints	<a href="#">E01D 19/06</a>

**Informative references**

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

Machines for making joints	<a href="#">E01C 23/02</a> , <a href="#">E01C 23/09</a>
Removable joint shuttering	<a href="#">E01C 23/021</a>
Sealing joints for buildings and the like	<a href="#">E04B 1/68</a>

**E01C 11/16**

Reinforcements ({as anchoring elements between layers [E01C 7/145](#), [E01C 7/185](#), [E01C 7/325](#)} ; for building in general [E04C](#))

**References****Limiting references**

This place does not cover:

Reinforced paving elements	<a href="#">E01C 5/08</a> , <a href="#">E01C 5/10</a>
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**Informative references**

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

Bituminated textile webs	<a href="#">E01C 5/12</a>
Removable holder for dowel	<a href="#">E01C 23/045</a>
Reinforcements for building in general	<a href="#">E04C 5/00</a>

## E01C 11/22

**Gutters; Kerbs (kerbs specially adapted for alerting road users [E01F 9/535](#))  
{; Surface drainage of streets, roads or like traffic areas (for sports grounds [E01C 13/00](#))}**

### References

#### Limiting references

*This place does not cover:*

Kerbs for sport grounds	<a href="#">E01C 13/00</a>
Preformed sidewalk paving with integral kerb	<a href="#">E01C 15/00</a>
Surface drainage of bridges	<a href="#">E01D 19/086</a>
Kerbs specially adapted for traffic islands	<a href="#">E01F 1/00</a>
Draining the sub-base of roads	<a href="#">E01F 5/00</a>
Kerbs for guiding traffic or for display purposes	<a href="#">E01F 9/535</a>
Sewers and surface drainage in general, incl. pipe connections in sewer systems	<a href="#">E03F 5/04</a> , <a href="#">E03F 3/00</a>
Gully gratings	<a href="#">E03F 5/06</a>

#### Informative references

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

Edging for beds, lawns, e.g. using tiles	<a href="#">A01G 9/28</a>
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## E01C 11/24

**Methods or arrangements for preventing slipperiness or protecting against influences of the weather {(measures taken in connection with the foundation [E01C 3/06](#); paving elements with anti-slip inlays [E01C 5/22](#); aggregates resisting to grinding [E01C 7/085](#), [E01C 7/142](#), [E01C 7/182](#); specially for surface layers [E01C 7/35](#); reinforcements extending up to the surface [E01C 11/16](#), [E01C 11/18](#), [E01C 11/185](#); drainage [E01C 11/22](#); windscreens [E01F 7/02](#); snow fences [E01F 7/02](#); combating fog [E01H 13/00](#))}**

### References

#### Limiting references

*This place does not cover:*

Spreading machines for wintry services, if they are not specially adapted for treating wintry roads but could also be used for spreading other materials	<a href="#">E01C 19/20</a>
Thawing materials in general	<a href="#">C09K 3/18</a>
Improving gripping of ice bound or other slippery traffic surfaces by spreading gritting or thawing materials on the surface of the road	<a href="#">E01H 10/00</a>

## E01C 13/00

**Pavings or foundations specially adapted for playgrounds or sports grounds; {Drainage, irrigation or heating of sports grounds} (general layout [A63C 19/00](#))**

### Definition statement

*This place covers:*

Pavings for playgrounds or sports grounds (made of prefabricated single units or in situ) and their foundations, also including:

- construction of rinks or tracks for roller skating or the like;
- construction of grass surfaces (natural grown or synthetic);
- artificial surfaces for outdoor or indoor practice of snow or ice sports.

### Relationships with other classification places

Details of paving should also be classified in the relevant sub-groups of [E01C 5/00](#), [E01C 11/00](#) and/or [E01C 2201/00](#), if necessary.

### References

#### Limiting references

*This place does not cover:*

General layout of sport grounds	<a href="#">A63C 19/00</a>
Golf courses	<a href="#">A63C 19/003</a>
Mechanical ski trails	<a href="#">A63C 19/10</a>
Race tracks	<a href="#">A63K 1/00</a>

#### Informative references

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

Layered products in general	<a href="#">B32B</a>
Materials for simulating ice or snow	<a href="#">C09K 3/24</a>
Yarns or threads	<a href="#">D02G 3/44</a>
Drainage of soil in general	<a href="#">E02B 11/00</a>
Indoor sport flooring	<a href="#">E04F 15/00</a>

## E01C 15/00

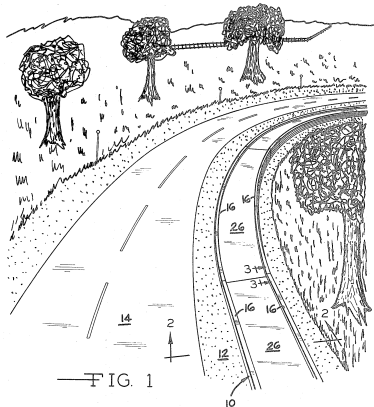
**Pavings specially adapted for footpaths, sidewalks or cycle tracks**

### Definition statement

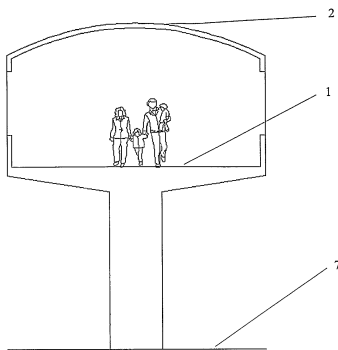
*This place covers:*

Specially adapted paving elements or systems for footpaths, sidewalks or cycle tracks, such as:

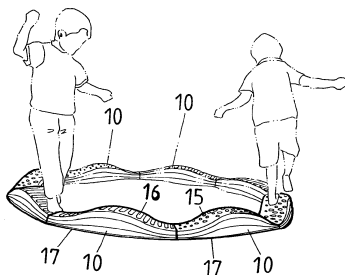
a walkway or cycle track in the countryside, see for example US4176982:



a set of paving elements for constructing an elevated walkway, see for example WO2008025201:



or a tactile walk path, see for example US2009162143:



## E01C 17/00

**Pavement lights, i.e. translucent constructions forming part of the surface (blocks specially designed for marking roads [E01F 9/524](#))**

### **Definition statement**

*This place covers:*

Lamp constructions incorporated in pavings or paving elements, e.g. paving block or tile.

## References

### Limiting references

*This place does not cover:*

Blocks specially designed for marking roads	<a href="#">E01F 9/50</a>
Illuminated advertising or display means on roads	<a href="#">G09F 19/22</a>

### Informative references

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

Lamp or lighting constructions in general	<a href="#">F21S</a> , <a href="#">F21V</a>
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## E01C 19/00

**Machines, tools or auxiliary devices for preparing or distributing paving materials, for working the placed materials, or for forming, consolidating, or finishing the paving (surface stabilisation [E01C 21/00](#); apparatus specially adapted for reconditioning or repairing paving [E01C 23/00](#))**

### Definition statement

*This place covers:*

Devices or methods for preparing and/or applying paving material, and/or consolidating and/or finishing the road surface.

Devices for guiding or controlling the machines along a predetermined path.

Removable forms or shutterings for road-building purposes.

Devices or arrangements for forming individual paving elements, e.g. kerbs or by sectioning a freshly laid slab, in situ.

Apparatus for laying individual preformed surfacing elements.

### Relationships with other classification places

The devices or methods for placing paving material treat paving material as such and not joint material, curing means, prefabricated underlays, reinforcing elements or traffic markings, which are classified in the relevant sub-groups of [E01C 23/00](#).

The devices or methods for finishing the road surface are devices for smoothing, roughening or patterning freshly laid paving. Devices for working existing road surfaces are classified in [E01C 23/06](#). Devices for making grooves or like channels in not-yet-hardened paving, or for curing, heating or drying paving are classified in the relevant sub-groups of [E01C 23/00](#).

Spreaders for gripping or thawing materials are also classified in the relevant sub-groups of [E01C 19/20](#), if they concern spreaders for wintry services, which are not specially adapted for treating wintry roads but could also be used for spreading other materials. If they are specially adapted for that use, they are classified in [E01H 10/00](#).

## References

### Limiting references

*This place does not cover:*

Apparatus or process for surface stabilisation for road building	<a href="#">E01C 21/00</a>
Devices for setting-out or checking the configuration of new surfacing	<a href="#">E01C 23/01</a>
Producing hydraulic cement concrete in general	<a href="#">B28C 5/00</a> - <a href="#">B28C 9/00</a>
Stationarily-arranged melting boiler for tar or asphalt	<a href="#">C10C 3/12</a>
Smoothing tools for mass made in situ for indoor paving	<a href="#">E04F 21/24</a>

### Informative references

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

Apparatus specially adapted for reconditioning or repairing paving	<a href="#">E01C 23/06</a> , <a href="#">E01C 23/065</a>
Fertiliser distributors	<a href="#">A01C 15/00</a> , <a href="#">A01C 17/00</a>
Crushing, pulverising or disintegrating in general	<a href="#">B02C</a>
Apparatus for generating vibrations in general	<a href="#">B06B</a>
Spreaders specially adapted for treating wintry roads	<a href="#">E01H 10/00</a>
Compacting soil in general	<a href="#">E02D 3/00</a>
Drives or control devices for graders	<a href="#">E02F 3/84</a>
Drives or control devices for other soil-shifting machines	<a href="#">E02F 9/20</a>

### Special rules of classification

Only the sub-groups of [E01C 19/50](#) are used, [E01C 19/50](#) itself is not used.

[E01C 19/20](#) and its lower groups are subdivided by way of spreading. Classifying additional information in [E01C 19/20](#).

## E01C 21/00

**Apparatus or processes for surface {soil} stabilisation for road building or like purposes, e.g. mixing local aggregate with binder ({recycling in place or on the road involving soil stabilisation [E01C 23/065](#)} ; stabilising soil under existing surfacing [E01C 23/10](#); soil-conditioning or soil-stabilising materials [C09K 17/00](#); soil consolidation in general [E02D 3/12](#))**

## References

### Limiting references

*This place does not cover:*

Recycling in place or on the road involving soil stabilisation	<a href="#">E01C 23/065</a>
Stabilising soil under existing surfacing	<a href="#">E01C 23/10</a>

**Informative references**

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

Foundations made by soil stabilisation	<a href="#">E01C 3/04</a>
Road surfaces made by soil stabilisation	<a href="#">E01C 7/36</a>
Soil-conditioning or soil-stabilising materials	<a href="#">C09K 17/00</a>
Soil consolidation in general	<a href="#">E02D 3/12</a>

**E01C 23/00**

**Auxiliary devices or arrangements for constructing, repairing, reconditioning, or taking-up road or like surfaces (apparatus for reconditioning of salvaged non-hydraulic compositions {for- in plant recycling of salvaged bituminous mixtures} [E01C 19/10](#))**

**Definition statement**

*This place covers:*

Apparatus or methods focussed on work carried out on existing surfaces, like roughening, cutting, reconditioning or marking out.

Devices for setting-out or checking the configuration of new surfacing; Applications of apparatus for measuring, indicating, or recording the surface configuration of existing surfacing.

Devices for making, treating or filling grooves in not-yet-hardened paving; Devices for introducing inserts or removable insert-supports in not-yet-hardened paving.

Arrangements for curing paving; Devices for applying curing means; Devices for laying prefabricated underlay; Protecting paving under construction or while curing.

Devices for laying reinforcing elements or dowel bars; Removable support for reinforcing elements; Devices for making essentially horizontal ducts in paving.

Devices for installing or removing forms.

Devices for heating or drying foundation, paving, or materials thereon.

**Relationships with other classification places**

Devices for working existing road surfaces are classified in the relevant sub-groups of [E01C 23/06](#). Devices for smoothing, roughening or patterning freshly laid paving are classified in [E01C 19/42](#) - [E01C 19/44](#).

Milling drums for working road surfaces are classified in [E01C 23/088](#); however, if the invention concerns the cutter bits as such, then it should be classified in [B28D 1/186](#).

**References****Limiting references**

*This place does not cover:*

Apparatus for reconditioning of salvaged non-hydraulic compositions for in plant recycling of salvaged bituminous mixtures	<a href="#">E01C 19/10</a>
Marking out playing courts	<a href="#">A63C 19/06</a>
Removing matter not bonded to the road surface	<a href="#">E01H 1/00</a>

Roughening or detaching ice	<a href="#">E01H 5/12</a>
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**Informative references**

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

In plant recycling	<a href="#">E01C 19/1004</a> , <a href="#">E01C 19/1036</a>
Working stone or stone-like materials by milling	<a href="#">B28D 1/18</a>
Road surface markings per se	<a href="#">E01F 9/50</a>
Hydraulic cleaning	<a href="#">E01H 1/101</a>
Measuring in general	<a href="#">G01B</a>

**Special rules of classification**

Filling potholes is classified in [E01C 23/06](#) if the potholes are filled with new material, and in [E01C 23/065](#) if the potholes are filled with material which has been reprocessed in place.