

# Civil Europe



## Civil Europe

The Cost Engineering knowledgebase with information on civil for Europe has all the data you need for the execution of any civil work. From breaking the ground to the kitchen sink, everything is included in this knowledgebase. Including all the equipment needed to make it happen. This helps you to quickly and accurately estimate all your projects related to civil work.

All facets of the process are covered by this knowledgebase. From the cost of an actual unit to the labour and rental hours involved. Or from installation to removal, re-instating and supplying, all projects you are looking for can be covered easily from the information available from this knowledgebase.

“Data you can build on.”

The screenshot displays the 'Civil Europe' knowledgebase interface. It features a 'Content structure' tree on the left with categories like 'Unit-Rates', 'Buildings', 'Foundations', and 'Roads, paving and fences'. The main area shows a detailed table of unit rates for road paving tasks.

| Level ID   | Description  | Unit  | Cost   | Labour hours | Rental hours | Labour description | Labour rate |        |
|------------|--|---|--------|--------------|--------------|--------------------|-------------|--------|
| Unit-Rates | Civil, Road paving I, Break up asphalt pavement                                  | m <sup>2</sup>  | 5,62   | 0,00         | 0,00         |                    |             |        |
| Unit-Rates | Civil, Road paving I, Break up, Unreinforced concrete pavement                   | m <sup>2</sup>  | 2,88   | 0,01         | 0,00         |                    |             |        |
| Unit-Rates | Civil, Road paving I, Break up, Reinforced concrete pavement                     | m <sup>2</sup>  | 4,32   | 0,02         | 0,00         |                    |             |        |
| Unit-Rates | Civil, Road paving I, Remove concreteplate, size 2,00 x 2,00 m                   | pc  | 23,24  | 0,10         | 0,00         |                    |             |        |
| Level ID   | Referential ID   | Description   | Unit   | Quantity     | Cost         | Cost category      | Discipline  | Labour |
| Details    | DCC20CU307221A010  | Road paving I, Remove concreteplate, size 2,00 x 2,00 m               | pc     | 1,00         | 6,23         | Install            | Civil       |        |
| Details    | DCC20C2307221A010  | Road paving I, Equipment for Remove concreteplate, size 2,00 x 2,00 m | pc     | 1,00         | 17,01        | Subcontracting     | Civil       |        |
| Unit-Rates | Civil, Road paving I, Break up paving brick, load, transport <5 km/stack         | m <sup>2</sup>  | 12,57  | 0,17         | 0,00         |                    |             |        |
| Unit-Rates | Civil, Road paving I, Break up concretepaving brick, load, transport <5 km/stack | m <sup>2</sup>  | 8,64   | 0,11         | 0,00         |                    |             |        |
| Unit-Rates | Civil, Road paving I, Break up tiles, stack, load, transport <5 km/load          | m <sup>2</sup>  | 9,38   | 0,12         | 0,00         |                    |             |        |
| Unit-Rates | Civil, Road paving I, Break up curbstones, load&transport <5 km, dump            | m   | 7,14   | 0,06         | 0,00         |                    |             |        |
| Unit-Rates | Civil, Road paving I, Transport asphalt, 30 km                                   | t   | 17,45  | 0,00         | 0,00         |                    |             |        |
| Unit-Rates | Civil, Road paving II, Install, mechanical, DAB/ZOAB/GAB/SAB, road metal         | t   | 138,14 | 0,80         | 0,00         |                    |             |        |
| Unit-Rates | Civil, Road paving II, Install, mechanical, DAB/ZOAB/GAB/SAB, road metal         | m <sup>2</sup>  | 125,32 | 0,16         | 0,00         |                    |             |        |
| Unit-Rates | Civil, Road paving II, Install, mechanical, DAB/ZOAB/GAB/SAB, road metal         | m <sup>2</sup>  | 96,44  | 0,16         | 0,00         |                    |             |        |



# Civil Europe

## Knowledgebase Specifications

### Civil Europe

#### Civil:

##### Activities:

- Installation
- Removal
- Demolition
- Re-instate
- Supply

##### Components:

- Temporary accommodation
- Demolition
  - Mechanical
  - Manual
- Dumping cost
- Sheet piling & Dockboards
- Piling
- Excavation & Deposit
- Floors
  - Asphalt
  - Concrete
  - Stelcon slabs
  - Finish
  - Elevated
- Foundations
- Walls & Finishing
  - Internal
  - External
- Wallsystems
- Stairs & Ladders
- Roof sheets & Floors
- Superstructure
- Doors, Windows & Sunshades
- Innerdoors, -Casings & Glass
- Roof openings
- Finishing
  - Floor
  - Ceiling
  - Roof

- HVAC
- Power supply
- Lighting
- Communication
- Fire detection & Lightning protection
- Fire fighting
- Elevators & Window cleaning facilities
- Toilets
- Soil analysis & Retaining walls
- Environmental Soil analysis
- Shelters & Bicycle sheds
- Fences, Gates & Barriers
- Gardening
- Paving
- Drainage
- Drainage installation
- Earthworks
- Sewers

##### Labour rate:

- Civil Worker

#### Civil Equipment:

##### Activities:

- Rental

##### Components:

- Mobile crane
- Truck
- Wheel loader
- Bulldozer
- Dragline
- Tractor
- Ditch digger
- Dumper
- Rough terrain crane



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