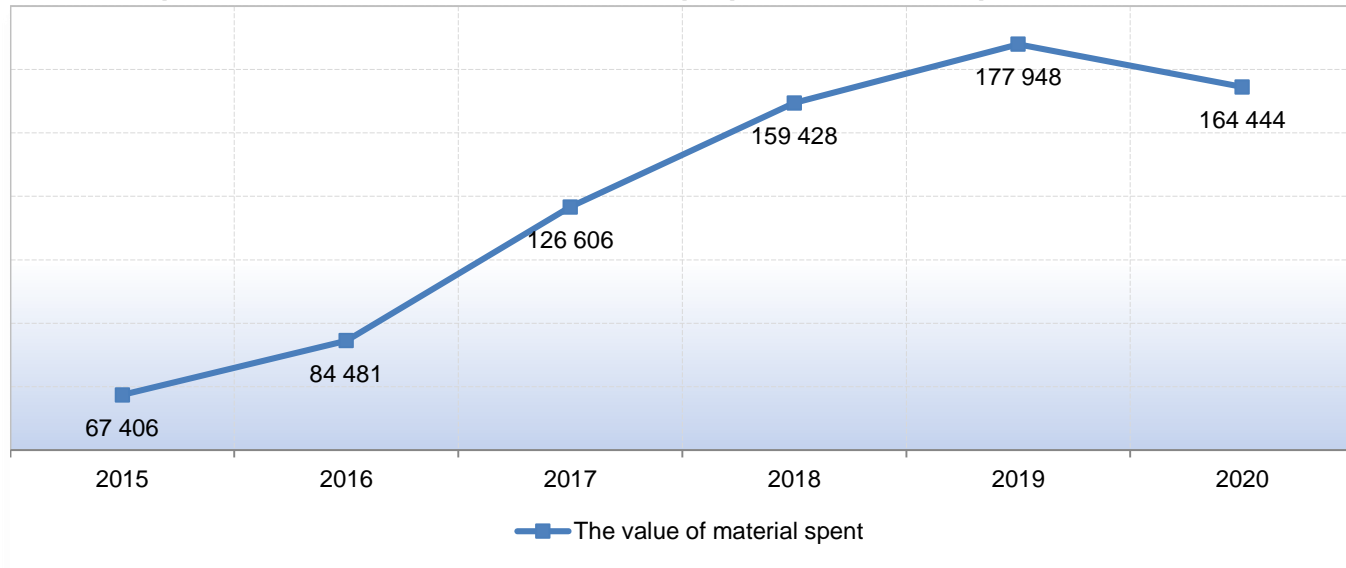


## Consumption of construction and propulsion materials 2020

The annual release on the consumption of construction and propulsion materials covers material and energy resources used by contractors (construction and non-construction enterprises) for construction of objects, maintenance, repair and operation of machinery and motor pool, heating, as well as for stationery and other supplies.

The value of building material spent in 2020 in Montenegro is EUR 164.4 mil EUR representing the decrease of 7.6% compared with 2019.

**Graph 1. Total value of construction and propulsion material spent, in thous. EUR**



**Table 1. Quantity and value of spent construction materials, Montenegro**

| Type of material  | Unit of measurement | 2019                                     |   | 2020                                     |   |
|---|---------------------|--|---|--|---|
|   |                     | Quantity of spent construction materials | Value of spent construction materials, u thous. EUR | Quantity of spent construction materials | Value of spent construction materials, u thous. EUR |
| <b>Building elements</b>  |                     |  |   |  |   |
| Solid brick   | thous.pcs           | 1 314                                    | 274   | 1 341                                    | 273   |
| Perforated brick  | thous.pcs           | 1 499                                    | 345   | 1 676                                    | 589   |
| Solid facade brick  | thous.pcs           | 426                                      | 116   | 313                                      | 87  |
| Hollow clay blocks  | thous.pcs           | 1 543                                    | 510   | 1 755                                    | 567   |
| Facade blocks   | thous.pcs           | 317                                      | 173   | 200                                      | 133   |
| Brick and blocks, based on cement, slag and dross                                       | thous.pcs           | 1 618                                    | 977   | 1 474                                    | 926   |
| Brick and blocks made from other materials (kermesite, "siporex")                       | thous.pcs           | 380                                      | 186   | 428                                      | 208   |
| <b>Elements for ceilings and arches</b>   |                     |  |   |  |   |
| Floor bricks and inserting bricks   | thous.pcs           | 557                                      | 389   | 501                                      | 241   |
| Beams, half-assembly and assembly for arches (clay elements)                            | thous.m             | 43                                       | 43  | 46                                       | 48  |
| Blocks for ceilings and arches (on the basis of cement)                                 | thous.pcs           | 73                                       | 60  | 85                                       | 92  |
| <b>Prefabricated elements and finished constructions</b>                                |                     |  |   |  |   |
| Light building boards for outside walls   | m <sup>2</sup>      | 1257                                     | 9   | 1 255                                    | 11  |
| Boards for walls facing   | m <sup>2</sup>      | 1105                                     | 60  | 1 090                                    | 59  |
| Light building boards for partition walls   | m <sup>2</sup>      | 13 795                                   | 188   | 10 602                                   | 149   |
| Light building boards for ceilings  | m <sup>2</sup>      | 8 335                                    | 132   | 7 499                                    | 111   |
| Light building isolation boards   | m <sup>2</sup>      | 13 010                                   | 281   | 12 100                                   | 264   |
| Plaster boards, all types   | m <sup>2</sup>      | 157 548                                  | 1 156   | 165 686                                  | 1 207   |
| Steel constructions for bridges   | t                   | 48                                       | 91  | 53                                       | 101   |
| Other steel constructions, all types (roofs, pillars, frames, scaffoldings and similar) | t                   | 4 921                                    | 1 880   | 5 408                                    | 2 043   |
| Building constructions and prefabricated elements for civil engineering                 | t                   | 8 041                                    | 400   | 9 929                                    | 470   |
| High buildings prefabricated constructions elements                                     | t                   | 11 013                                   | 758   | 10 513                                   | 722   |
| Wooden construction (finished roof constructions )                                      | m <sup>3</sup>      | 568                                      | 70  | 626                                      | 78  |
| <b>Binder material</b>  |                     |  |   |  |   |
| Quicklime   | t                   | 458                                      | 118   | 418                                      | 105   |
| Lime, hydrated  | t                   | 1 885                                    | 286   | 1 849                                    | 232   |
| Plaster, baked  | t                   | 928                                      | 97  | 958                                      | 97  |
| Portland cement   | t                   | 20 519                                   | 2 061   | 20 612                                   | 2 116   |
| Cement, other types   | t                   | 23 137                                   | 1 993   | 23 622                                   | 2 164   |
| Plastic building materials  | t                   | 794                                      | 417   | 772                                      | 410   |
| Cement mortars, all types   | m <sup>3</sup>      | 22 746                                   | 1 326   | 17 258                                   | 1 058   |
| Concrete, fresh   | m <sup>3</sup>      | 528 692                                  | 35 190  | 452 597                                  | 31 537  |
| Asphalt   | t                   | 210 356                                  | 20 772  | 196 462                                  | 19 966  |
| <b>Aggregates and profiled material of stone</b>  |                     |  |   |  |   |
| Profiled material of stone (curb stone, fence, stone cube, etc.)                        | m <sup>3</sup>      | 3 449                                    | 717   | 3 905                                    | 825   |
| Crashed technical stone and marble, all types   | m <sup>3</sup>      | 5 572                                    | 412   | 5 240                                    | 504   |
| Broken stone and small size stone   | m <sup>3</sup>      | 34 099                                   | 610   | 14 258                                   | 285   |
| Aggregates for concrete   | m <sup>3</sup>      | 534 905                                  | 6 742   | 500 814                                  | 6 646   |
| Gravel  | m <sup>3</sup>      | 59 160                                   | 1 396   | 55 061                                   | 1 341   |
| Sand  | m <sup>3</sup>      | 26 205                                   | 338   | 28 634                                   | 417   |
| Terrazzo-granulates   | t                   | 960                                      | 36  | 1 035                                    | 41  |

**Table 1. Quantity and value of spent construction materials, Montenegro**

/continue/

| Type of material   | Unit of measurement | 2019                                     |   | 2020                                     |   |
|--|---------------------|--|---|--|---|
|  |                     | Quantity of spent construction materials | Value of spent construction materials, u thous. EUR | Quantity of spent construction materials | Value of spent construction materials, u thous. EUR |
| <b>Reinforcing and attaching material</b>  |                     |  |   |  |   |
| Concrete steel   | t                   | 25 066                                   | 14 612  | 22 302                                   | 12 522  |
| Wire, black and galvanized   | kg                  | 80 862                                   | 639   | 55 523                                   | 462   |
| Other iron sections, heavy, medium and light   | t                   | 2 024                                    | 1 087   | 2 258                                    | 1 169   |
| Various elements for reinforced concrete (reinforcing nets, wall canvas)                     | t                   | 20 222                                   | 7 394   | 12 550                                   | 5 413   |
| Nails  | kg                  | 127 862                                  | 477   | 111 676                                  | 229   |
| <b>Timber</b>  |                     |  |   |  |   |
| Timber, conifer (sawn, hewn)   | m <sup>3</sup>      | 10 447                                   | 1 207   | 10 048                                   | 1 164   |
| Timber, conifer (round)  | m <sup>3</sup>      | 2 604                                    | 93  | 2 560                                    | 106   |
| Timber, deciduous (sawn and hewn)  | m <sup>3</sup>      | 1 967                                    | 138   | 600                                      | 37  |
| Timber, deciduous (round)  | m <sup>3</sup>      | 701                                      | 300   | 701                                      | 300   |
| Boards for panelling   | m <sup>3</sup>      | 12 573                                   | 324   | 13 650                                   | 368   |
| Mining wood  | m <sup>3</sup>      | 40                                       | 10  | 40                                       | 10  |
| <b>Isolation material and coatings</b>   |                     |  |   |  |   |
| Roofing boards, all types  | roll                | 2 337                                    | 65  | 2 441                                    | 62  |
| Bitumen, bitulit, bituminous jute, strips, matters, emulsions...                             | t                   | 26 119                                   | 1 969   | 20 871                                   | 1 520   |
| Expanded polystyrene   | kg                  | 120 651                                  | 695   | 98 288                                   | 603   |
| Other isolation materials (glass wool, mineral wool. etc.)                                   | t                   | 3 715                                    | 1 057   | 2 558                                    | 784   |
| Paints (all types), varnishes, enamels, dissolvent etc.                                      | kg                  | 114 112                                  | 1 121   | 100 040                                  | 930   |
| <b>Roofing material</b>  |                     |  |   |  |   |
| Corrugated and plane sheets of "salonite" and asbestos                                       | m <sup>3</sup>      | 2 500                                    | 40  | 2 500                                    | 40  |
| Plane, corrugated and interlocking title   | thous.pcs           | 325                                      | 144   | 289                                      | 135   |
| Other roofing material (concrete tiles, plastic boards)                                      | m <sup>2</sup>      | 1 133                                    | 24  | 1 174                                    | 24  |
| <b>Material for floor wall covering</b>  |                     |  |   |  |   |
| Vinyl and asbestos boards and other artificial flooring masses                               | t                   | 10                                       | 13  | 9  | 12  |
| Ceramic titles (wall, floor and facade)  | m <sup>2</sup>      | 92 427                                   | 1 422   | 82 101                                   | 1 190   |
| Ceramic and marble facing boards   | m <sup>2</sup>      | 14 876                                   | 525   | 16 890                                   | 595   |
| Tiles of grinded stone and marble  | m <sup>2</sup>      | 4 400                                    | 148   | 3 770                                    | 123   |
| Terrazzo boards  | m <sup>2</sup>      | 1 600                                    | 77  | 1 427                                    | 75  |
| Plywood, panel, fibreboard and other wood based boards                                       | m <sup>2</sup>      | 13 200                                   | 169   | 10 136                                   | 117   |
| Parquet (breech, oak and other)  | m <sup>2</sup>      | 34 877                                   | 925   | 27 575                                   | 631   |
| Laminated parquet  | m <sup>2</sup>      | 29 073                                   | 773   | 24 537                                   | 608   |
| Ceiling and wall panelling   | m <sup>2</sup>      | 4 303                                    | 111   | 4 107                                    | 101   |
| Plastic boards for walls   | m <sup>2</sup>      | 552                                      | 48  | 565                                      | 50  |
| Wallpapers, all types  | m <sup>2</sup>      | 880                                      | 39  | 831                                      | 37  |
| <b>Material for plumping, sewerage system, heating, ventilation, for sanitary facilities</b> |                     |  |   |  |   |
| Pipes, seamless  | kg                  | 10 475                                   | 125   | 7 764                                    | 90  |
| Pipes, seamed  | kg                  | 101 963                                  | 207   | 90 301                                   | 186   |
| Cast iron pipes and fittings   | kg                  | 19 555                                   | 143   | 12 177                                   | 98  |
| Pipes, plastic, all types  | kg                  | 125 152                                  | 463   | 68 998                                   | 248   |
| Pipe fittings and flanges  | kg                  | 36 366                                   | 143   | 24 490                                   | 105   |

**Table 1. Quantity and value of spent construction materials, Montenegro**

/continue/

| Type of material   | Unit of measurement | 2019                                     |   | 2020                                     |   |
|--|---------------------|--|---|--|---|
|  |                     | Quantity of spent construction materials | Value of spent construction materials, u thous. EUR | Quantity of spent construction materials | Value of spent construction materials, u thous. EUR |
| Ceramics, sewage tubes   | t                   | 1  | 5   | 7  | 33  |
| Asbestos - cement pipes  | t                   | 80                                       | 10  | 77                                       | 9   |
| Pipes, concrete, all types   | t                   | 20 315                                   | 1 075   | 19 379                                   | 1 016   |
| Ceramics, sanitary   | piece               | 14 023                                   | 486   | 13 634                                   | 463   |
| Sanitary equipment, of plate and cast iron   | piece               | 306                                      | 15  | 20                                       | 1   |
| Plastics sanitary equipment  | piece               | 2 964                                    | 114   | 1 483                                    | 53  |
| Other ceramic for construction (tiles for stoves and fireplaces, technical ceramic, etc.)                      | piece               | 536                                      | 64  | 576                                      | 66  |
| Heating furnaces   | piece               | 30                                       | 37  | 12                                       | 16  |
| Radiators, all types   | m <sup>2</sup>      | 800                                      | 55  | 976                                      | 71  |
| <b>Material for power supply installations</b>   |                     |  |   |  |   |
| Ropes and wires, copper  | kg                  | 20 768                                   | 271   | 19 947                                   | 262   |
| Wire, of aluminium and aluminium alloys  | kg                  | 14 179                                   | 200   | 15 110                                   | 228   |
| Ropes, of aluminium and Ferro – aluminium  | kg                  | 671                                      | 13  | 684                                      | 14  |
| Conductors, insulated (poly - vinyl chloride, rubber etc.)   | m                   | 41 497                                   | 268   | 37 767                                   | 255   |
| Cables, all types  | m                   | 693 785                                  | 2 304   | 683 022                                  | 2 241   |
| Installation material (switches, plugs, boxes, lamp holders)   | thous. EUR          | -  | 1 356   | -  | 1 964   |
| Electric insulators, all types   | t                   | 97                                       | 86  | 109                                      | 94  |
| <b>Other material and elements for incorporating</b>   |                     |  |   |  |   |
| Rails and accessories  | t                   | 19                                       | 32  | 18                                       | 31  |
| Plates and sheets, black   | kg                  | 53 178                                   | 100   | 52 048                                   | 96  |
| Zinc galvanized plates and sheets  | kg                  | 83 548                                   | 237   | 90 398                                   | 266   |
| Aluminium plates and sheets  | kg                  | 11 235                                   | 79  | 11 005                                   | 84  |
| Glass, heat insulation   | m <sup>2</sup>      | 2 309                                    | 102   | 2 300                                    | 101   |
| Glass sheets, other types  | m <sup>2</sup>      | 11 800                                   | 120   | 11 400                                   | 117   |
| Non-ferrous metals joinery (windows, doors, blinds)  | t                   | 110                                      | 77  | 90                                       | 63  |
| Building metal elements (iron sheet pipes and chimneys, steel windows, doors, Venetian blinds)                 | t                   | 23                                       | 20  | 22                                       | 19  |
| Doors and windows, wooden, all types   | piece               | 9 641                                    | 1 734   | 9 880                                    | 1 755   |
| Material for fitting in (built-in furniture, window blinds)  | thous. EUR          | -  | 773   | -  | 851   |
| Other material not mentioned elsewhere (for repairs, machinery and vehicles maintenance, stationery and other) | thous. EUR          | -  | 2 733   | -  | 2 612   |
| <b>Consumed power material</b>   |                     |  |   |  |   |
| Bitumen  | t                   | 12 235                                   | 4 326   | 12 754                                   | 4 567   |
| Motor petrol for transport   | t                   | 978                                      | 1 233   | 920                                      | 1 140   |
| Motor petrol for drive   | t                   | 18                                       | 23  | 14                                       | 15  |
| Diesel petrol for transport  | t                   | 24 225                                   | 27 931  | 23 953                                   | 27 927  |
| Diesel petrol for drive  | t                   | 7 271                                    | 7 211   | 5 786                                    | 5 415   |
| Gas/Diesel oil and fuel oil  | t                   | 972                                      | 967   | 770                                      | 658   |
| Other petroleum products   | t                   | 1  | 2   | 2  | 4   |
| Other fuels  | l                   | 4 674                                    | 13  | 4 571                                    | 12  |
| Electricity  | MWh                 | 59 200                                   | 6 540   | 51 853                                   | 5 658   |

## METHODOLOGICAL EXPLANATIONS

The presented data are collected through survey on consumption of construction and propulsion materials (GRADJ-13). The survey is realised on a sample basis. The frame for a sample is enterprises with 5 and more employees who are in a Statistical Business register according to the Classification of activities classified in sector F – Construction, as well as companies (KAU) whose business units engaged in construction works. Survey covers all large and medium enterprises (class 2 and 3), while small enterprises (class 1) is selected by random simple sample.

The consumption of construction and propulsion materials is presented for the total construction enterprise submitting the report, including also the consumption of electricity and material for heating for joint services. Non-construction enterprises report the consumption of building material only for business units, as well as the consumption of fuel and other material for their needs.

The type of material is presented based on the records kept by material accounting, regardless if the reporting unit purchased or produced the material by itself.

Data are published according [Statistical Release Calendar](#).

According to the Revision policy of the Statistical Office, the final data shall be published with the date defined by the Statistical Release Calendar.

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