

Consumption of building material, electricity and gas 2016

The annual release on the consumption of building material, electricity, and gas covers material and energy resources used by all 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 2016 in Montenegro is EUR 84.4 mil EUR representing the increase of 25.3% compared with 2015.

Graph 1: Total value of building material spent, in thousand EUR

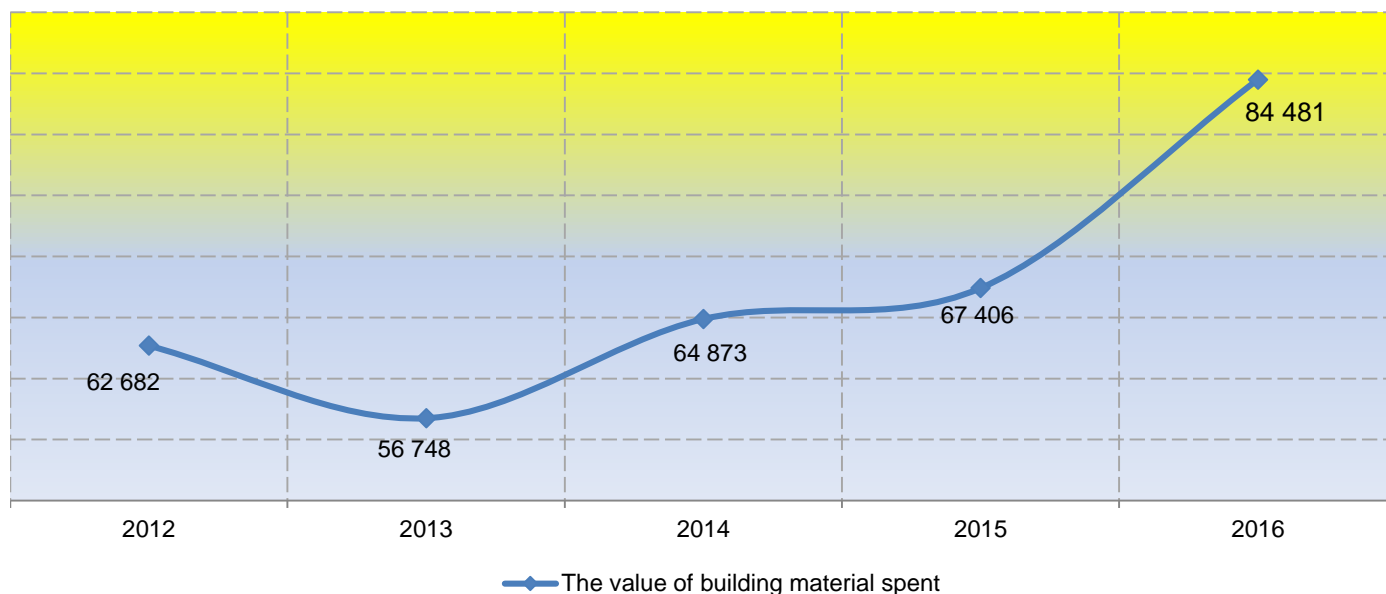


Table 1. Quantity and value of spent building material, Montenegro

| Type of material | Unit of measurement | 2015 | | 2016 | |
|---|---------------------|-------------------------------------|---|-------------------------------------|---|
| | | Quantity of building material spent | Value of building material spent, in thousand € | Quantity of building material spent | Value of building material spent, in thousand € |
| Building elements | | | | | |
| Solid brick | Thous.pcs | 1 352 | 263 | 1 286 | 259 |
| Perforated brick | Thous.pcs | 969 | 300 | 1 450 | 400 |
| Solid facade brick | Thous.pcs | 124 | 55 | 110 | 52 |
| Hollow clay blocks | Thous.pcs | 1 588 | 560 | 2 566 | 1 044 |
| Facade blocks | Thous.pcs | 593 | 289 | 750 | 366 |
| Brick and blocks, based on cement, slag and dross | Thous.pcs | 1 338 | 557 | 1 025 | 475 |
| Brick and blocks made from other materials (kermesite, "siporex") | Thous.pcs | 88 | 40 | 130 | 36 |
| Elements for ceilings and arches | | | | | |
| Floor bricks and inserting bricks | Thous.pcs | 113 | 61 | 76 | 42 |
| Beams, half-assembly and assembly for arches (clay elements) | Thous.m | 23 | 40 | 42 | 49 |
| Blocks for ceilings and arches (on the basis of cement) | Thous.pcs | 10 | 10 | 29 | 19 |
| Prefabricated elements and finished constructions | | | | | |
| Light building boards for outside walls | m ² | 1 100 | 5 | 1 663 | 10 |
| Boards for walls facing | m ² | 1 535 | 69 | 1 476 | 59 |
| Light building boards for partition walls | m ² | 12 748 | 129 | 14 816 | 247 |
| Light building boards for ceilings | m ² | 9 696 | 100 | 9 253 | 100 |
| Light building isolation boards | m ² | 7 112 | 106 | 10 985 | 150 |
| Plaster boards, all types | m ² | 65 831 | 279 | 67 555 | 377 |
| Other steel constructions, all types (roofs, pillars, frames, scaffoldings and similar) | t | 338 | 360 | 1 112 | 270 |
| Building constructions and prefabricated elements for civil engineering | t | 1 913 | 682 | 7 661 | 455 |
| High buildings prefabricated constructions elements | t | 86 | 16 | 81 | 17 |
| Wooden construction (finished roof constructions) | m ³ | 295 | 50 | 492 | 98 |
| Binder material | | | | | |
| Quicklime | t | 635 | 107 | 648 | 133 |
| Lime, hydrated | t | 519 | 108 | 815 | 185 |
| Plaster, baked | t | 248 | 69 | 998 | 123 |
| Portland cement | t | 18 386 | 1 784 | 21 839 | 2 215 |
| Cement, other types | t | 3 262 | 584 | 9 826 | 827 |
| Plastic building materials | t | 1 054 | 330 | 975 | 419 |
| Cement mortars, all types | m ³ | 5 628 | 583 | 6 164 | 413 |
| Concrete, fresh | m ³ | 167 397 | 12 310 | 257 146 | 16 348 |
| Asphalt | t | 75 820 | 6 626 | 134 209 | 10 913 |

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| | | Quantity of building material spent | Value of building material spent, in thousand € | Quantity of building material spent | Value of building material spent, in thousand € |
| Aggregates and profiled material of stone | | | | | |
| Profiled material of stone (curb stone, fence, stone cube, etc.) | m ³ | 475 | 143 | 140 | 66 |
| Crashed technical stone and marble, all types | m ³ | 1 323 | 56 | 1 557 | 120 |
| Broken stone and small size stone | m ³ | 15 945 | 282 | 18 720 | 318 |
| Aggregates for concrete | m ³ | 201 593 | 3 290 | 248 907 | 3 557 |
| Gravel | m ³ | 39 199 | 743 | 46 008 | 843 |
| Sand | m ³ | 47 795 | 720 | 46 695 | 630 |
| Terrazzo- granulates | t | 300 | 12 | 200 | 4 |
| Reinforcing and attaching material | | | | | |
| Concrete steel | t | 5 872 | 1 614 | 12 602 | 4 062 |
| Wire, black and galvanized | kg | 27 049 | 65 | 45 547 | 234 |
| Other iron sections, heavy, medium and light | t | 854 | 575 | 754 | 434 |
| Various elements for reinforced concrete (reinforcing nets, wall canvas) | t | 10 542 | 5 403 | 15 519 | 6 414 |
| Nails | kg | 95 895 | 151 | 96 449 | 174 |
| Timber | | | | | |
| Timber, conifer (sawn, hewn) | m ³ | 7 680 | 1 063 | 12 786 | 1 526 |
| Timber, conifer (round) | m ³ | 348 | 50 | 3 714 | 68 |
| Timber, deciduous (sawn and hewn) | m ³ | 158 | 24 | 3 860 | 274 |
| Timber, deciduous (round) | m ³ | 104 | 10 | 911 | 380 |
| Boards for panelling | m ³ | 3 416 | 683 | 24 844 | 719 |
| Mining wood | m ³ | 200 | 29 | 148 | 20 |
| Isolation material and coatings | | | | | |
| Roofing boards, all types | roll | 3 206 | 131 | 4 307 | 141 |
| Bitumen, bitulit, bituminous jute, strips, matters, emulsions... | t | 2 811 | 1 270 | 20 733 | 1 061 |
| Expanded polystyrene | kg | 52 104 | 189 | 59 965 | 214 |
| Other isolation materials (glass wool, mineral wool. etc.) | t | 641 | 216 | 671 | 319 |
| Paints (all types), varnishes, enamels, dissolvent etc. | kg | 85 599 | 246 | 76 637 | 201 |
| Roofing material | | | | | |
| Corrugated and plane sheets of "salonite" and asbestos | m ³ | 650 | 11 | 758 | 10 |
| Plane, corrugated and interlocking title | Thous.pcs | 431 | 182 | 760 | 502 |
| Other roofing material (concrete tiles, plastic boards) | m ² | 4 877 | 83 | 6 622 | 135 |

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| Material for floor wall covering | | | | | |
| Vinyl and asbestos boards and other artificial flooring masses | t | 83 | 18 | 8 | 14 |
| Ceramic tiles (wall, floor and facade) | m ² | 80 937 | 667 | 95 935 | 912 |
| Ceramic and marble facing boards | m ² | 9 916 | 367 | 10 425 | 351 |
| Tiles of grinded stone and marble | m ² | 2 636 | 66 | 693 | 12 |
| Terrazzo boards | m ² | 687 | 10 | 669 | 10 |
| Plywood, panel, fibreboard and other wood based boards | m ² | 2 250 | 16 | 5 000 | 30 |
| Parquet (breech, oak and other) | m ² | 32 677 | 627 | 32 504 | 644 |
| Laminated parquet | m ² | 8 789 | 133 | 17 339 | 562 |
| Ceiling and wall panelling | m ² | 2 511 | 41 | 4 910 | 79 |
| Plastic boards for walls | m ² | 466 | 10 | 443 | 10 |
| Wallpapers, all types | m ² | 868 | 39 | 862 | 37 |
| Material for plumping, sewerage system, heating, ventilation, for sanitary facilities | | | | | |
| Pipes, seamless | kg | 5 000 | 35 | 6 141 | 47 |
| Pipes, seamed | kg | 58 823 | 71 | 76 400 | 151 |
| Cast iron pipes and fittings | kg | 24 534 | 217 | 21 725 | 108 |
| Pipes, plastic, all types | kg | 128 246 | 490 | 139 283 | 749 |
| Pipe fittings and flanges | kg | 17 495 | 93 | 44 734 | 153 |
| Ceramics, sewage tubes | t | 32 | 60 | 3 | 5 |
| Asbestos - cement pipes | t | - | - | 90 | 11 |
| Pipes, concrete, all types | t | 2 117 | 362 | 18 827 | 979 |
| Ceramics, sanitary | piece | 15 646 | 442 | 14 262 | 431 |
| Sanitary equipment, of plate and cast iron | piece | 135 | 6 | 105 | 3 |
| Plastics sanitary equipment | piece | 996 | 12 | 2 169 | 96 |
| Other ceramic for construction (tiles for stoves and fireplaces, technical ceramic, etc.) | piece | 346 | 34 | 374 | 39 |
| Heating furnaces | piece | 13 | 8 | 32 | 44 |
| Radiators, all types | m ² | 2 779 | 132 | 2 451 | 123 |
| Material for power supply installations | | | | | |
| Ropes and wires, copper | kg | 17 873 | 148 | 10 230 | 124 |
| Wire, of aluminium and aluminium alloys | kg | 7 914 | 82 | 10 540 | 165 |
| Ropes, of aluminium and Ferro – aluminium | kg | 593 | 9 | 502 | 10 |
| Conductors, insulated (poly - vinyl chloride, rubber etc.) | m | 25 164 | 54 | 36 206 | 138 |
| Cables, all types | m | 832 493 | 1 101 | 720 487 | 1 409 |
| Installation material (switches, plugs, boxes, lamp holders) | Eur,thous. | - | 277 | - | 377 |
| Electric insulators, all types | t | 132 | 114 | 138 | 108 |

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| Other material and elements for incorporating | | | | | |
| Rails and accessories | t | 12 | 8 | 44 | 52 |
| Plates and sheets, black | kg | 22 062 | 20 | 26 283 | 28 |
| Zinc galvanized plates and sheets | kg | 35 330 | 150 | 57 146 | 212 |
| Aluminium plates and sheets | kg | 4 669 | 13 | 4 002 | 12 |
| Glass, heat insulation | m ² | 3 480 | 61 | 2 000 | 47 |
| Glass sheets, other types | m ² | 5 336 | 37 | 5 560 | 39 |
| Non-ferrous metals joinery (windows, doors, blinds) | t | 18 | 20 | 24 | 21 |
| Building metal elements (iron sheet pipes and chimneys, steel windows, doors, Venetian blinds) | t | 44 | 36 | 39 | 30 |
| Doors and windows, wooden, all types | piece | 6 710 | 966 | 8 501 | 1 236 |
| Material for fitting in (built-in furniture, window blinds) | EUR thousand | - | 117 | - | 82 |
| Other material not mentioned elsewhere (for repairs, machinery and vehicles maintenance, stationery and other) | EUR thousand | - | 262 | - | 403 |
| Consumed power material | | | | | |
| Bitumen | t | 3 820 | 1 463 | 4 809 | 1 733 |
| Motor petrol for transport | t | 204 | 246 | 89 | 109 |
| Motor petrol for drive | t | 16 | 17 | 15 | 15 |
| Diesel petrol for transport | t | 8 857 | 8 286 | 9 053 | 7 535 |
| Diesel petrol for drive | t | 3 964 | 3 953 | 3 872 | 3 629 |
| Gas/Diesel oil and fuel oil | t | 504 | 471 | 408 | 367 |
| Coal, all types | t | 10 | 3 | 16 | 8 |
| Other petroleum products | t | 1 | 2 | 10 | 20 |
| Other fuels | l | 4 615 | 3 | 4 793 | 10 |
| Electricity | MWh | 17 769 | 1 818 | 23 810 | 2 435 |

METHODOLOGICAL EXPLANATIONS

Data source and coverage

The annual release on the consumption of building material, electricity, and gas are 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.

Definitions

The consumption of building material and fuel 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.

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