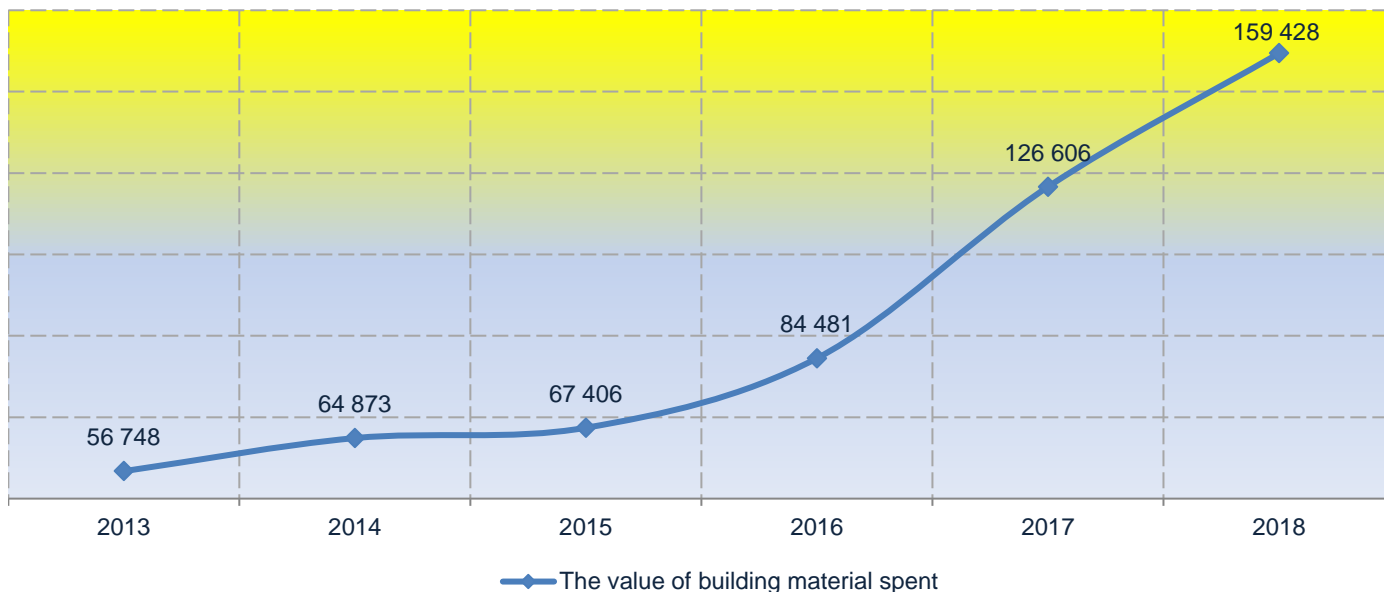


## Consumption of construction and propulsion materials 2018

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 2018 in Montenegro is EUR 159.4 mil EUR representing the increase of 25.9% compared with 2017.

**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	2017		2018	
		Quantity of building material spent	Value of building material spent, in thousand €	Quantity of building material spent	Value of building material spent, in thousand €
<b>Building elements</b>					
Solid brick	Thous.pcs	1 591	321	1 823	357
Perforated brick	Thous.pcs	985	236	1 110	336
Solid facade brick	Thous.pcs	44	36	43	33
Hollow clay blocks	Thous.pcs	2 065	941	2 228	1 088
Facade blocks	Thous.pcs	701	293	791	330
Brick and blocks, based on cement, slag and dross	Thous.pcs	1 723	622	2 603	1 252
Brick and blocks made from other materials (kermesite, "siporex")	Thous.pcs	392	126	292	77
<b>Elements for ceilings and arches</b>					
Floor bricks and inserting bricks	Thous.pcs	99	66	135	95
Beams, half-assembly and assembly for arches (clay elements)	Thous.m	110	86	61	46
Blocks for ceilings and arches (on the basis of cement)	Thous.pcs	4	3	4	3
<b>Prefabricated elements and finished constructions</b>					
Light building boards for outside walls	m <sup>2</sup>	1 750	10	1 793	11
Boards for walls facing	m <sup>2</sup>	1 444	66	1 731	78
Light building boards for partition walls	m <sup>2</sup>	20 652	456	20 460	451
Light building boards for ceilings	m <sup>2</sup>	9 719	157	9 501	153
Light building isolation boards	m <sup>2</sup>	12 222	201	13 800	262
Plaster boards, all types	m <sup>2</sup>	158 781	952	161 715	960
Steel constructions for bridges	t	-	-	49	92
Other steel constructions, all types (roofs, pillars, frames, scaffoldings and similar)	t	1 363	465	3 538	1 043
Building constructions and prefabricated elements for civil engineering	t	9 900	504	10 700	549
High buildings prefabricated constructions elements	t	31	10	30	9
Wooden construction (finished roof constructions )	m <sup>3</sup>	100	20	118	24
<b>Binder material</b>					
Quicklime	t	714	144	624	126
Lime, hydrated	t	1 676	210	1 433	236
Plaster, baked	t	1 005	141	976	102
Portland cement	t	22 030	2 407	23 222	2 767
Cement, other types	t	16 286	1 632	18 464	1 779
Plastic building materials	t	1 150	511	1 020	510
Cement mortars, all types	m <sup>3</sup>	10 474	628	11 676	703
Concrete, fresh	m <sup>3</sup>	350 727	26 454	511 483	33 819
Asphalt	t	143 340	13 649	149 156	15 443

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

/continue/

Type of material	Unit of measurement	2017		2018	
		Quantity of building material spent	Value of building material spent, in thousand €	Quantity of building material spent	Value of building material spent, in thousand €
<b>Aggregates and profiled material of stone</b>					
Profiled material of stone (curb stone, fence, stone cube, etc.)	m <sup>3</sup>	460	138	1 422	497
Crashed technical stone and marble, all types	m <sup>3</sup>	1 237	112	1 626	152
Broken stone and small size stone	m <sup>3</sup>	22 701	491	31 117	500
Aggregates for concrete	m <sup>3</sup>	392 688	6 138	515 250	6 438
Gravel	m <sup>3</sup>	55 826	1 237	56 906	1 263
Sand	m <sup>3</sup>	55 349	856	39 278	613
Terrazzo- granulates	t	100	2	453	24
<b>Reinforcing and attaching material</b>					
Concrete steel	t	19 880	11 181	26 270	16 485
Wire, black and galvanized	kg	75 099	473	80 256	582
Other iron sections, heavy, medium and light	t	771	449	1 962	940
Various elements for reinforced concrete (reinforcing nets, wall canvas)	t	19 163	7 385	18 110	7 144
Nails	kg	121 984	327	124 340	401
<b>Timber</b>					
Timber, conifer (sawn, hewn)	m <sup>3</sup>	10 232	1 410	11 738	1 612
Timber, conifer (round)	m <sup>3</sup>	4 779	136	3 242	113
Timber, deciduous (sawn and hewn)	m <sup>3</sup>	2 855	208	1 360	125
Timber, deciduous (round)	m <sup>3</sup>	930	388	900	366
Boards for panelling	m <sup>3</sup>	26 574	737	11 201	301
Mining wood	m <sup>3</sup>	141	19	41	10
<b>Isolation material and coatings</b>					
Roofing boards, all types	roll	3 060	101	3 519	137
Bitumen, bitulit, bituminous jute, strips, matters, emulsions...	t	24 732	1 553	26 407	1 991
Expanded polystyrene	kg	82 286	589	84 972	610
Other isolation materials (glass wool, mineral wool. etc.)	t	1 149	498	3 215	1 041
Paints (all types), varnishes, enamels, dissolvent etc.	kg	88 122	377	89 257	400
<b>Roofing material</b>					
Corrugated and plane sheets of "salonite" and asbestos	m <sup>3</sup>	2 758	35	1 980	29
Plane, corrugated and interlocking title	Thous.pcs	1 134	589	955	451
Other roofing material (concrete tiles, plastic boards)	m <sup>2</sup>	4 942	123	5 066	152

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

/continue/

Type of material	Unit of measurement	2017		2018	
		Quantity of building material spent	Value of building material spent, in thousand €	Quantity of building material spent	Value of building material spent, in thousand €
<b>Material for floor wall covering</b>					
Vinyl and asbestos boards and other artificial flooring masses	t	6	8	8	14
Ceramic tiles (wall, floor and facade)	m <sup>2</sup>	109 626	1 731	117 030	1 959
Ceramic and marble facing boards	m <sup>2</sup>	11 410	439	12 380	494
Tiles of grinded stone and marble	m <sup>2</sup>	2 380	59	2 496	65
Terrazzo boards	m <sup>2</sup>	691	11	792	44
Plywood, panel, fibreboard and other wood based boards	m <sup>2</sup>	5 650	33	4 053	25
Parquet (breech, oak and other)	m <sup>2</sup>	33 577	827	38 130	899
Laminated parquet	m <sup>2</sup>	15 606	504	15 790	508
Ceiling and wall panelling	m <sup>2</sup>	7 620	151	7 093	140
Plastic boards for walls	m <sup>2</sup>	431	9	406	8
Wallpapers, all types	m <sup>2</sup>	941	42	855	36
<b>Material for plumping, sewerage system, heating, ventilation, for sanitary facilities</b>					
Pipes, seamless	kg	6 842	59	8 820	104
Pipes, seamed	kg	77 945	156	99 685	189
Cast iron pipes and fittings	kg	22 976	127	23 574	168
Pipes, plastic, all types	kg	192 284	838	192 493	884
Pipe fittings and flanges	kg	69 405	319	75 344	342
Ceramics, sewage tubes	t	7	27	5	25
Asbestos - cement pipes	t	77	9	80	10
Pipes, concrete, all types	t	24 189	1 107	20 358	1 026
Ceramics, sanitary	piece	14 913	472	16 058	518
Sanitary equipment, of plate and cast iron	piece	250	9	140	7
Plastics sanitary equipment	piece	2 301	102	2 288	100
Other ceramic for construction (tiles for stoves and fireplaces, technical ceramic, etc.)	piece	449	50	502	54
Heating furnaces	piece	25	32	16	36
Radiators, all types	m <sup>2</sup>	2 585	188	1 064	73
<b>Material for power supply installations</b>					
Ropes and wires, copper	kg	17 727	216	19 763	255
Wire, of aluminium and aluminium alloys	kg	10 130	165	10 000	155
Ropes, of aluminium and Ferro – aluminium	kg	500	10	522	11
Conductors, insulated (poly - vinyl chloride, rubber etc.)	m	45 411	271	38 661	260
Cables, all types	m	533 476	1 403	601 365	1 515
Installation material (switches, plugs, boxes, lamp holders)	Eur,thous.	-	305	-	763
Electric insulators, all types	t	108	96	105	95

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

/continue/

Type of material	Unit of measurement	2017		2018	
		Quantity of building material spent	Value of building material spent, in thousand €	Quantity of building material spent	Value of building material spent, in thousand €
<b>Other material and elements for incorporating</b>					
Rails and accessories	t	47	56	49	57
Plates and sheets, black	kg	38 509	30	79 119	280
Zinc galvanized plates and sheets	kg	57 077	225	51 330	196
Aluminium plates and sheets	kg	4 000	14	4 139	17
Glass, heat insulation	m <sup>2</sup>	2 000	48	3 913	154
Glass sheets, other types	m <sup>2</sup>	11 300	92	11 544	104
Non-ferrous metals joinery (windows, doors, blinds)	t	26	21	30	23
Building metal elements (iron sheet pipes and chimneys, steel windows, doors, Venetian blinds)	t	31	26	28	23
Doors and windows, wooden, all types	piece	4 988	1 022	7 876	1 372
Material for fitting in (built-in furniture, window blinds)	EUR thousand	-	99	-	550
Other material not mentioned elsewhere (for repairs, machinery and vehicles maintenance, stationery and other)	EUR thousand	-	615	-	1 911
<b>Consumed power material</b>					
Bitumen	t	9 273	3 030	11 113	3 987
Motor petrol for transport	t	525	904	537	962
Motor petrol for drive	t	62	74	86	97
Diesel petrol for transport	t	17 798	15 775	22 781	23 129
Diesel petrol for drive	t	4 307	3 892	6 880	6 651
Gas/Diesel oil and fuel oil	t	933	790	430	526
Coal, all types	t	2	1	100	50
Other petroleum products	t	1	2	1	3
Other fuels	l	4 825	11	4 000	10
Electricity	MWh	31 033	3 205	31 131	3 433

## 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.

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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