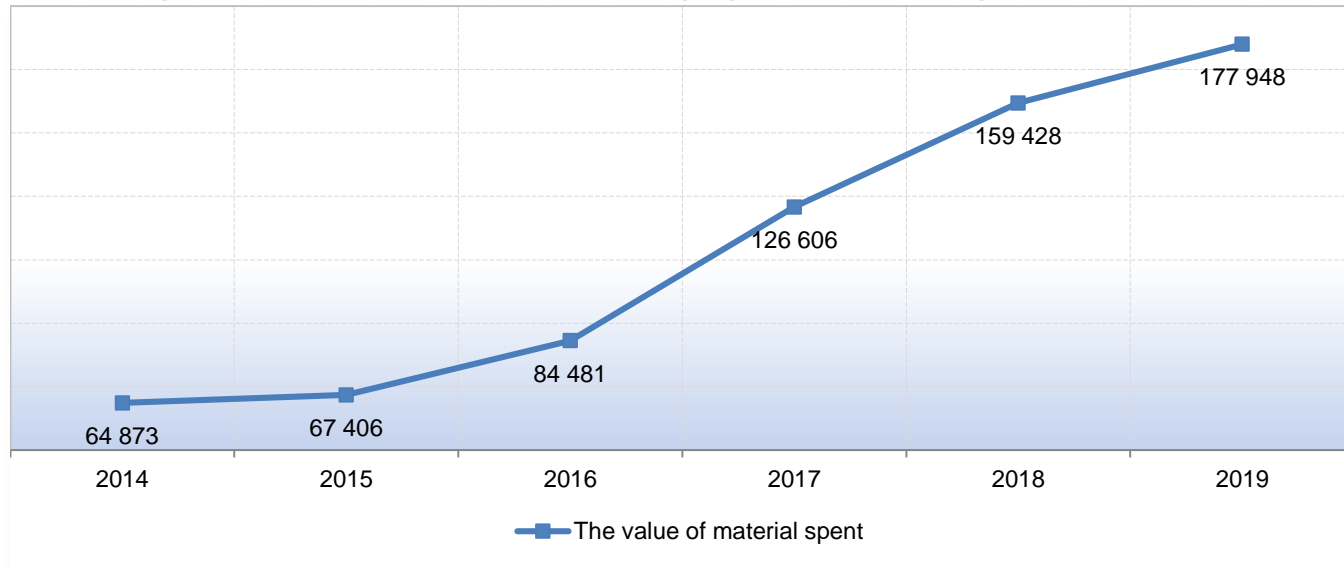


## Consumption of construction and propulsion materials 2019

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 2019 in Montenegro is EUR 177.9 mil EUR representing the increase of 11.6% compared with 2018.

**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	2018		2019	
		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	1 823	357	1 314	274
Perforated brick	thous.pcs	1 110	336	1 499	345
Solid facade brick	thous.pcs	43	33	426	116
Hollow clay blocks	thous.pcs	2 228	1 088	1 543	510
Facade blocks	thous.pcs	791	330	317	173
Brick and blocks, based on cement, slag and dross	thous.pcs	2 603	1 252	1 618	977
Brick and blocks made from other materials (kermesite, "siporex")	thous.pcs	292	77	380	186
<b>Elements for ceilings and arches</b>					
Floor bricks and inserting bricks	thous.pcs	135	95	557	389
Beams, half-assembly and assembly for arches (clay elements)	thous.m	61	46	43	43
Blocks for ceilings and arches (on the basis of cement)	thous.pcs	4	3	73	60
<b>Prefabricated elements and finished constructions</b>					
Light building boards for outside walls	m <sup>2</sup>	1 793	11	1257	9
Boards for walls facing	m <sup>2</sup>	1 731	78	1105	60
Light building boards for partition walls	m <sup>2</sup>	20 460	451	13 795	188
Light building boards for ceilings	m <sup>2</sup>	9 501	153	8 335	132
Light building isolation boards	m <sup>2</sup>	13 800	262	13 010	281
Plaster boards, all types	m <sup>2</sup>	161 715	960	157 548	1 156
Steel constructions for bridges	t	49	92	48	91
Other steel constructions, all types (roofs, pillars, frames, scaffoldings and similar)	t	3 538	1 043	4 921	1 880
Building constructions and prefabricated elements for civil engineering	t	10 700	549	8 041	400
High buildings prefabricated constructions elements	t	30	9	11 013	758
Wooden construction (finished roof constructions )	m <sup>3</sup>	118	24	568	70
<b>Binder material</b>					
Quicklime	t	624	126	458	118
Lime, hydrated	t	1 433	236	1 885	286
Plaster, baked	t	976	102	928	97
Portland cement	t	23 222	2 767	20 519	2 061
Cement, other types	t	18 464	1 779	23 137	1 993
Plastic building materials	t	1 020	510	794	417
Cement mortars, all types	m <sup>3</sup>	11 676	703	22 746	1 326
Concrete, fresh	m <sup>3</sup>	511 483	33 819	528 692	35 190
Asphalt	t	149 156	15 443	210 356	20 772
<b>Aggregates and profiled material of stone</b>					
Profiled material of stone (curb stone, fence, stone cube, etc.)	m <sup>3</sup>	1 422	497	3 449	717
Crashed technical stone and marble, all types	m <sup>3</sup>	1 626	152	5 572	412
Broken stone and small size stone	m <sup>3</sup>	31 117	500	34 099	610
Aggregates for concrete	m <sup>3</sup>	515 250	6 438	534 905	6 742
Gravel	m <sup>3</sup>	56 906	1 263	59 160	1 396
Sand	m <sup>3</sup>	39 278	613	26 205	338
Terrazzo-granulates	t	453	24	960	36

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

/continue/

Type of material	Unit of measurement	2018		2019	
		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	26 270	16 485	25 066	14 612
Wire, black and galvanized	kg	80 256	582	80 862	639
Other iron sections, heavy, medium and light	t	1 962	940	2 024	1 087
Various elements for reinforced concrete (reinforcing nets, wall canvas)	t	18 110	7 144	20 222	7 394
Nails	kg	124 340	401	127 862	477
<b>Timber</b>					
Timber, conifer (sawn, hewn)	m <sup>3</sup>	11 738	1 612	10 447	1 207
Timber, conifer (round)	m <sup>3</sup>	3 242	113	2 604	93
Timber, deciduous (sawn and hewn)	m <sup>3</sup>	1 360	125	1 967	138
Timber, deciduous (round)	m <sup>3</sup>	900	366	701	300
Boards for panelling	m <sup>3</sup>	11 201	301	12 573	324
Mining wood	m <sup>3</sup>	41	10	40	10
<b>Isolation material and coatings</b>					
Roofing boards, all types	roll	3 519	137	2 337	65
Bitumen, bitulit, bituminous jute, strips, matters, emulsions...	t	26 407	1 991	26 119	1 969
Expanded polystyrene	kg	84 972	610	120 651	695
Other isolation materials (glass wool, mineral wool. etc.)	t	3 215	1 041	3 715	1 057
Paints (all types), varnishes, enamels, dissolvent etc.	kg	89 257	400	114 112	1 121
<b>Roofing material</b>					
Corrugated and plane sheets of "salonite" and asbestos	m <sup>3</sup>	1 980	29	2 500	40
Plane, corrugated and interlocking title	thous.pcs	955	451	325	144
Other roofing material (concrete tiles, plastic boards)	m <sup>2</sup>	5 066	152	1 133	24
<b>Material for floor wall covering</b>					
Vinyl and asbestos boards and other artificial flooring masses	t	8	14	10	13
Ceramic titles (wall, floor and facade)	m <sup>2</sup>	117 030	1 959	92 427	1 422
Ceramic and marble facing boards	m <sup>2</sup>	12 380	494	14 876	525
Tiles of grinded stone and marble	m <sup>2</sup>	2 496	65	4 400	148
Terrazzo boards	m <sup>2</sup>	792	44	1 600	77
Plywood, panel, fibreboard and other wood based boards	m <sup>2</sup>	4 053	25	13 200	169
Parquet (breech, oak and other)	m <sup>2</sup>	38 130	899	34 877	925
Laminated parquet	m <sup>2</sup>	15 790	508	29 073	773
Ceiling and wall panelling	m <sup>2</sup>	7 093	140	4 303	111
Plastic boards for walls	m <sup>2</sup>	406	8	552	48
Wallpapers, all types	m <sup>2</sup>	855	36	880	39
<b>Material for plumping, sewerage system, heating, ventilation, for sanitary facilities</b>					
Pipes, seamless	kg	8 820	104	10 475	125
Pipes, seamed	kg	99 685	189	101 963	207
Cast iron pipes and fittings	kg	23 574	168	19 555	143
Pipes, plastic, all types	kg	192 493	884	125 152	463
Pipe fittings and flanges	kg	75 344	342	36 366	143

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

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Type of material	Unit of measurement	2018		2019	
		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	5	25	1	5
Asbestos - cement pipes	t	80	10	80	10
Pipes, concrete, all types	t	20 358	1 026	20 315	1 075
Ceramics, sanitary	piece	16 058	518	14 023	486
Sanitary equipment, of plate and cast iron	piece	140	7	306	15
Plastics sanitary equipment	piece	2 288	100	2 964	114
Other ceramic for construction (tiles for stoves and fireplaces, technical ceramic, etc.)	piece	502	54	536	64
Heating furnaces	piece	16	36	30	37
Radiators, all types	m <sup>2</sup>	1 064	73	800	55
<b>Material for power supply installations</b>					
Ropes and wires, copper	kg	19 763	255	20 768	271
Wire, of aluminium and aluminium alloys	kg	10 000	155	14 179	200
Ropes, of aluminium and Ferro – aluminium	kg	522	11	671	13
Conductors, insulated (poly - vinyl chloride, rubber etc.)	m	38 661	260	41 497	268
Cables, all types	m	601 365	1 515	693 785	2 304
Installation material (switches, plugs, boxes, lamp holders)	thous. EUR	-	763	-	1 356
Electric insulators, all types	t	105	95	97	86
<b>Other material and elements for incorporating</b>					
Rails and accessories	t	49	57	19	32
Plates and sheets, black	kg	79 119	280	53 178	100
Zinc galvanized plates and sheets	kg	51 330	196	83 548	237
Aluminium plates and sheets	kg	4 139	17	11 235	79
Glass, heat insulation	m <sup>2</sup>	3 913	154	2 309	102
Glass sheets, other types	m <sup>2</sup>	11 544	104	11 800	120
Non-ferrous metals joinery (windows, doors, blinds)	t	30	23	110	77
Building metal elements (iron sheet pipes and chimneys, steel windows, doors, Venetian blinds)	t	28	23	23	20
Doors and windows, wooden, all types	piece	7 876	1 372	9 641	1 734
Material for fitting in (built-in furniture, window blinds)	thous. EUR	-	550	-	773
Other material not mentioned elsewhere (for repairs, machinery and vehicles maintenance, stationery and other)	thous. EUR	-	1 911	-	2 733
<b>Consumed power material</b>					
Bitumen	t	11 113	3 987	12 235	4 326
Motor petrol for transport	t	537	962	978	1 233
Motor petrol for drive	t	86	97	18	23
Diesel petrol for transport	t	22 781	23 129	24 225	27 931
Diesel petrol for drive	t	6 880	6 651	7 271	7 211
Gas/Diesel oil and fuel oil	t	430	526	972	967
Other petroleum products	t	1	3	1	2
Other fuels	l	4 000	10	4 674	13
Electricity	MWh	31 131	3 433	59 200	6 540

## 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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**Published by the Statistical Office of Montenegro (MONSTAT)**  
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