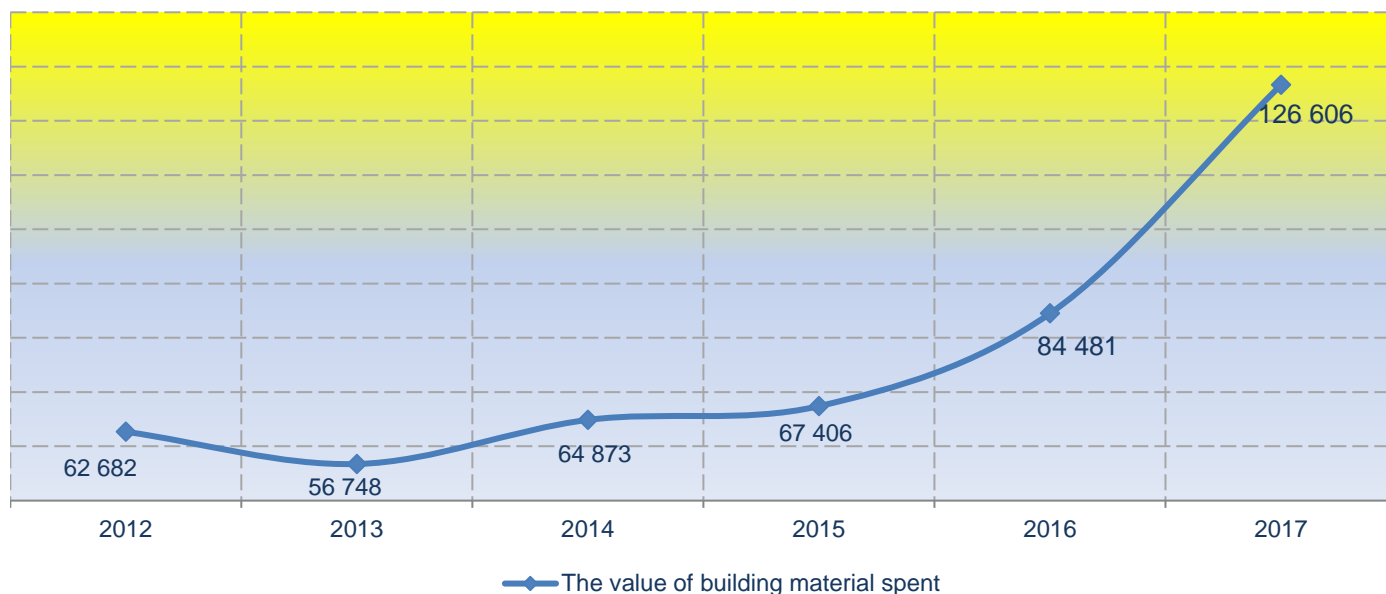


## Consumption of construction and propulsion materials 2017

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 2017 in Montenegro is EUR 126.6 mil EUR representing the increase of 49.9% compared with 2016.

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	2016		2017	
		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	1 286	259	1 591	321
Perforated brick	Thous.pcs	1 450	400	985	236
Solid facade brick	Thous.pcs	110	52	44	36
Hollow clay blocks	Thous.pcs	2 566	1 044	2 065	941
Facade blocks	Thous.pcs	750	366	701	293
Brick and blocks, based on cement, slag and dross	Thous.pcs	1 025	475	1 723	622
Brick and blocks made from other materials (kermesite, "siporex")	Thous.pcs	130	36	392	126
<b>Elements for ceilings and arches</b>					
Floor bricks and inserting bricks	Thous.pcs	76	42	99	66
Beams, half-assembly and assembly for arches (clay elements)	Thous.m	42	49	110	86
Blocks for ceilings and arches (on the basis of cement)	Thous.pcs	29	19	4	3
<b>Prefabricated elements and finished constructions</b>					
Light building boards for outside walls	m <sup>2</sup>	1 663	10	1 750	10
Boards for walls facing	m <sup>2</sup>	1 476	59	1 444	66
Light building boards for partition walls	m <sup>2</sup>	14 816	247	20 652	456
Light building boards for ceilings	m <sup>2</sup>	9 253	100	9 719	157
Light building isolation boards	m <sup>2</sup>	10 985	150	12 222	201
Plaster boards, all types	m <sup>2</sup>	67 555	377	158 781	952
Other steel constructions, all types (roofs, pillars, frames, scaffoldings and similar)	t	1 112	270	1 363	465
Building constructions and prefabricated elements for civil engineering	t	7 661	455	9 900	504
High buildings prefabricated constructions elements	t	81	17	31	10
Wooden construction (finished roof constructions )	m <sup>3</sup>	492	98	100	20
<b>Binder material</b>					
Quicklime	t	648	133	714	144
Lime, hydrated	t	815	185	1 676	210
Plaster, baked	t	998	123	1 005	141
Portland cement	t	21 839	2 215	22 030	2 407
Cement, other types	t	9 826	827	16 286	1 632
Plastic building materials	t	975	419	1 150	511
Cement mortars, all types	m <sup>3</sup>	6 164	413	10 474	628
Concrete, fresh	m <sup>3</sup>	257 146	16 348	350 727	26 454
Asphalt	t	134 209	10 913	143 340	13 649

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

/continue/

Type of material	Unit of measurement	2016		2017	
		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>	140	66	460	138
Crashed technical stone and marble, all types	m <sup>3</sup>	1 557	120	1 237	112
Broken stone and small size stone	m <sup>3</sup>	18 720	318	22 701	491
Aggregates for concrete	m <sup>3</sup>	248 907	3 557	392 688	6 138
Gravel	m <sup>3</sup>	46 008	843	55 826	1 237
Sand	m <sup>3</sup>	46 695	630	55 349	856
Terrazzo- granulates	t	200	4	100	2
<b>Reinforcing and attaching material</b>					
Concrete steel	t	12 602	4 062	19 880	11 181
Wire, black and galvanized	kg	45 547	234	75 099	473
Other iron sections, heavy, medium and light	t	754	434	771	449
Various elements for reinforced concrete (reinforcing nets, wall canvas)	t	15 519	6 414	19 163	7 385
Nails	kg	96 449	174	121 984	327
<b>Timber</b>					
Timber, conifer (sawn, hewn)	m <sup>3</sup>	12 786	1 526	10 232	1 410
Timber, conifer (round)	m <sup>3</sup>	3 714	68	4 779	136
Timber, deciduous (sawn and hewn)	m <sup>3</sup>	3 860	274	2 855	208
Timber, deciduous (round)	m <sup>3</sup>	911	380	930	388
Boards for panelling	m <sup>3</sup>	24 844	719	26 574	737
Mining wood	m <sup>3</sup>	148	20	141	19
<b>Isolation material and coatings</b>					
Roofing boards, all types	roll	4 307	141	3 060	101
Bitumen, bitulit, bituminous jute, strips, matters, emulsions...	t	20 733	1 061	24 732	1 553
Expanded polystyrene	kg	59 965	214	82 286	589
Other isolation materials (glass wool, mineral wool. etc.)	t	671	319	1 149	498
Paints (all types), varnishes, enamels, dissolvent etc.	kg	76 637	201	88 122	377
<b>Roofing material</b>					
Corrugated and plane sheets of "salonite" and asbestos	m <sup>3</sup>	758	10	2 758	35
Plane, corrugated and interlocking title	Thous.pcs	760	502	1 134	589
Other roofing material (concrete tiles, plastic boards)	m <sup>2</sup>	6 622	135	4 942	123

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

/continue/

Type of material	Unit of measurement	2016		2017	
		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	8	14	6	8
Ceramic tiles (wall, floor and facade)	m <sup>2</sup>	95 935	912	109 626	1 731
Ceramic and marble facing boards	m <sup>2</sup>	10 425	351	11 410	439
Tiles of grinded stone and marble	m <sup>2</sup>	693	12	2 380	59
Terrazzo boards	m <sup>2</sup>	669	10	691	11
Plywood, panel, fibreboard and other wood based boards	m <sup>2</sup>	5 000	30	5 650	33
Parquet (breech, oak and other)	m <sup>2</sup>	32 504	644	33 577	827
Laminated parquet	m <sup>2</sup>	17 339	562	15 606	504
Ceiling and wall panelling	m <sup>2</sup>	4 910	79	7 620	151
Plastic boards for walls	m <sup>2</sup>	443	10	431	9
Wallpapers, all types	m <sup>2</sup>	862	37	941	42
<b>Material for plumping, sewerage system, heating, ventilation, for sanitary facilities</b>					
Pipes, seamless	kg	6 141	47	6 842	59
Pipes, seamed	kg	76 400	151	77 945	156
Cast iron pipes and fittings	kg	21 725	108	22 976	127
Pipes, plastic, all types	kg	139 283	749	192 284	838
Pipe fittings and flanges	kg	44 734	153	69 405	319
Ceramics, sewage tubes	t	3	5	7	27
Asbestos - cement pipes	t	90	11	77	9
Pipes, concrete, all types	t	18 827	979	24 189	1 107
Ceramics, sanitary	piece	14 262	431	14 913	472
Sanitary equipment, of plate and cast iron	piece	105	3	250	9
Plastics sanitary equipment	piece	2 169	96	2 301	102
Other ceramic for construction (tiles for stoves and fireplaces, technical ceramic, etc.)	piece	374	39	449	50
Heating furnaces	piece	32	44	25	32
Radiators, all types	m <sup>2</sup>	2 451	123	2 585	188
<b>Material for power supply installations</b>					
Ropes and wires, copper	kg	10 230	124	17 727	216
Wire, of aluminium and aluminium alloys	kg	10 540	165	10 130	165
Ropes, of aluminium and Ferro – aluminium	kg	502	10	500	10
Conductors, insulated (poly - vinyl chloride, rubber etc.)	m	36 206	138	45 411	271
Cables, all types	m	720 487	1 409	533 476	1 403
Installation material (switches, plugs, boxes, lamp holders)	Eur,thous.	-	377	-	305
Electric insulators, all types	t	138	108	108	96

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

/continue/

Type of material	Unit of measurement	2016		2017	
		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	44	52	47	56
Plates and sheets, black	kg	26 283	28	38 509	30
Zinc galvanized plates and sheets	kg	57 146	212	57 077	225
Aluminium plates and sheets	kg	4 002	12	4 000	14
Glass, heat insulation	m <sup>2</sup>	2 000	47	2 000	48
Glass sheets, other types	m <sup>2</sup>	5 560	39	11 300	92
Non-ferrous metals joinery (windows, doors, blinds)	t	24	21	26	21
Building metal elements (iron sheet pipes and chimneys, steel windows, doors, Venetian blinds)	t	39	30	31	26
Doors and windows, wooden, all types	piece	8 501	1 236	4 988	1 022
Material for fitting in (built-in furniture, window blinds)	EUR thousand	-	82	-	99
Other material not mentioned elsewhere (for repairs, machinery and vehicles maintenance, stationery and other)	EUR thousand	-	403	-	615
<b>Consumed power material</b>					
Bitumen	t	4 809	1 733	9 273	3 030
Motor petrol for transport	t	89	109	525	904
Motor petrol for drive	t	15	15	62	74
Diesel petrol for transport	t	9 053	7 535	17 798	15 775
Diesel petrol for drive	t	3 872	3 629	4 307	3 892
Gas/Diesel oil and fuel oil	t	408	367	933	790
Coal, all types	t	16	8	2	1
Other petroleum products	t	10	20	1	2
Other fuels	l	4 793	10	4 825	11
Electricity	MWh	23 810	2 435	31 033	3 205

## 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.

**Published and printed by Statistical Office of Montenegro (MONSTAT)  
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