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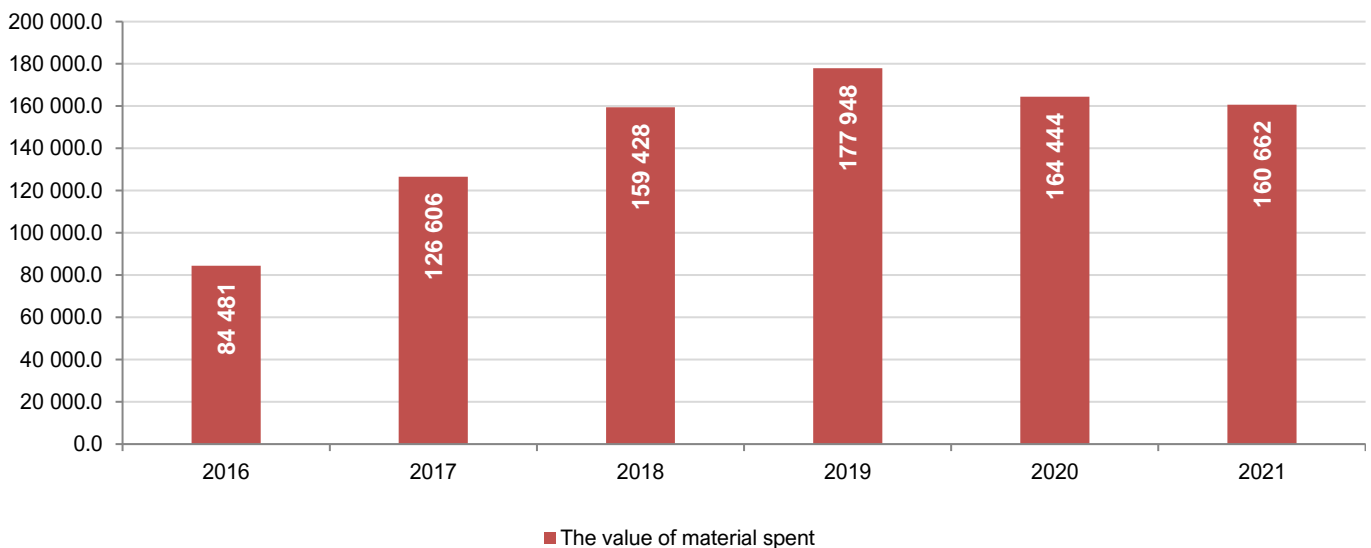
## Consumption of construction and propulsion materials

### 2021

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 construction and propulsion material spent in 2021 in Montenegro is EUR 160.7 mil EUR representing the decrease of 2.3% compared with 2020.

**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	2020		2021	
		Quantity of spent construction materials	Value of spent construction materials, in thous. EUR	Quantity of spent construction materials	Value of spent construction materials, in thous. EUR
<b>Building elements</b>					
Solid brick	thous.pcs	1 341	273	1 358	281
Perforated brick	thous.pcs	1 676	589	1 513	534
Solid facade brick	thous.pcs	313	87	386	106
Hollow clay blocks	thous.pcs	1 755	567	1 638	563
Facade blocks	thous.pcs	200	133	112	76
Brick and blocks, based on cement, slag and dross	thous.pcs	1 474	926	1 041	625
Brick and blocks made from other materials (kermesite, "siporex")	thous.pcs	428	208	394	234
<b>Elements for ceilings and arches</b>					
Floor bricks and inserting bricks	thous.pcs	501	241	500	241
Beams, half-assembly and assembly for arches (clay elements)	thous.m	46	48	88	88
Blocks for ceilings and arches (on the basis of cement)	thous.pcs	85	92	80	87
<b>Prefabricated elements and finished constructions</b>					
Light building boards for outside walls	m <sup>2</sup>	1 255	11	1 200	10
Boards for walls facing	m <sup>2</sup>	1 090	59	1 099	60
Light building boards for partition walls	m <sup>2</sup>	10 602	149	9 380	150
Light building boards for ceilings	m <sup>2</sup>	7 499	111	6 312	102
Light building isolation boards	m <sup>2</sup>	12 100	264	10 000	260
Plaster boards, all types	m <sup>2</sup>	165 686	1 207	142 452	1 262
Steel constructions for bridges	t	53	101	12	32
Other steel constructions, all types (roofs, pillars, frames, scaffoldings and similar)	t	5 408	2 043	4 873	1 895
Building constructions and prefabricated elements for civil engineering	t	9 929	470	8 436	395
High buildings prefabricated constructions elements	t	10 513	722	10 000	666
Wooden construction (finished roof constructions )	m <sup>3</sup>	626	78	603	82
<b>Binder material</b>					
Quicklime	t	418	105	411	101
Lime, hydrated	t	1 849	232	1 685	232
Plaster, baked	t	958	97	714	73
Portland cement	t	20 612	2 116	19 830	2 210
Cement, other types	t	23 622	2 164	24 541	2 385
Plastic building materials	t	772	410	543	275
Cement mortars, all types	m <sup>3</sup>	17 258	1 058	27 551	1 722
Concrete, fresh	m <sup>3</sup>	452 597	31 537	468 707	32 896
Asphalt	t	196 462	19 966	209 613	19 184
<b>Aggregates and profiled material of stone</b>					
Profiled material of stone (curb stone, fence, stone cube, etc.)	m <sup>3</sup>	3 905	825	5 051	1 189
Crashed technical stone and marble, all types	m <sup>3</sup>	5 240	504	5 454	526
Broken stone and small size stone	m <sup>3</sup>	14 258	285	12 928	239
Aggregates for concrete	m <sup>3</sup>	500 814	6 646	502 472	6 823
Gravel	m <sup>3</sup>	55 061	1 341	37 310	1 003
Sand	m <sup>3</sup>	28 634	417	11 417	186
Terrazzo-granulates	t	1 035	41	2 000	109

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<b>Reinforcing and attaching material</b>					
Concrete steel	t	22 302	12 522	22 316	13 039
Wire, black and galvanized	kg	55 523	462	59 036	445
Other iron sections, heavy, medium and light	t	2 258	1 169	2 996	1 464
Various elements for reinforced concrete (reinforcing nets, wall canvas)	t	12 550	5 413	11 499	5 107
Nails	kg	111 676	229	125 202	303
<b>Timber</b>					
Timber, conifer (sawn, hewn)	m <sup>3</sup>	10 048	1 164	10 095	1 494
Timber, conifer (round)	m <sup>3</sup>	2 560	106	2 027	93
Timber, deciduous (sawn and hewn)	m <sup>3</sup>	600	37	636	41
Timber, deciduous (round)	m <sup>3</sup>	701	300	658	282
Boards for panelling	m <sup>3</sup>	13 650	368	10 771	259
Mining wood	m <sup>3</sup>	40	10	40	10
<b>Isolation material and coatings</b>					
Roofing boards, all types	roll	2 441	62	2 639	69
Bitumen, bitulit, bituminous jute, strips, matters, emulsions...	t	20 871	1 520	21 189	1 560
Expanded polystyrene	kg	98 288	603	95 940	716
Other isolation materials (glass wool, mineral wool. etc.)	t	2 558	784	2 577	871
Paints (all types), varnishes, enamels, dissolvent etc.	kg	100 040	930	80 041	876
<b>Roofing material</b>					
Corrugated and plane sheets of "salonite" and asbestos	m <sup>3</sup>	2 500	40	2 221	33
Plane, corrugated and interlocking title	thous.pcs	289	135	279	130
Other roofing material (concrete tiles, plastic boards)	m <sup>2</sup>	1 174	24	1 362	50
<b>Material for floor wall covering</b>					
Vinyl and asbestos boards and other artificial flooring masses	t	9	12	1	1
Ceramic titles (wall, floor and facade)	m <sup>2</sup>	82 101	1 190	77 022	1 158
Ceramic and marble facing boards	m <sup>2</sup>	16 890	595	15 672	561
Tiles of grinded stone and marble	m <sup>2</sup>	3 770	123	3 149	100
Terrazzo boards	m <sup>2</sup>	1 427	75	1 001	54
Plywood, panel, fibreboard and other wood based boards	m <sup>2</sup>	10 136	117	8 043	102
Parquet (breech, oak and other)	m <sup>2</sup>	27 575	631	22 547	503
Laminated parquet	m <sup>2</sup>	24 537	608	24 168	600
Ceiling and wall panelling	m <sup>2</sup>	4 107	101	4 000	100
Plastic boards for walls	m <sup>2</sup>	565	50	559	48
Wallpapers, all types	m <sup>2</sup>	831	37	745	32
<b>Material for plumping, sewerage system, heating, ventilation, for sanitary facilities</b>					
Pipes, seamless	kg	7 764	90	6 783	91
Pipes, seamed	kg	90 301	186	91 237	286
Cast iron pipes and fittings	kg	12 177	98	10 500	77
Pipes, plastic, all types	kg	68 998	248	91 780	337
Pipe fittings and flanges	kg	24 490	105	30 835	174

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Ceramics, sewage tubes	t	7	33	8	38
Asbestos - cement pipes	t	77	9	85	11
Pipes, concrete, all types	t	19 379	1 016	17 500	970
Ceramics, sanitary	piece	13 634	463	11 012	404
Sanitary equipment, of plate and cast iron	piece	20	1	10	1
Plastics sanitary equipment	piece	1 483	53	1 222	44
Other ceramic for construction (tiles for stoves and fireplaces, technical ceramic, etc.)	piece	576	66	417	50
Heating furnaces	piece	12	16	3	4
Radiators, all types	m <sup>2</sup>	976	71	982	72
<b>Material for power supply installations</b>					
Ropes and wires, copper	kg	19 947	262	20 572	283
Wire, of aluminium and aluminium alloys	kg	15 110	228	11 652	223
Ropes, of aluminium and Ferro – aluminium	kg	684	14	1 936	48
Conductors, insulated (poly - vinyl chloride, rubber etc.)	m	37 767	255	32 163	251
Cables, all types	m	683 022	2 241	313 857	1 147
Installation material (switches, plugs, boxes, lamp holders)	thous. EUR	-	1 964	-	2 064
Electric insulators, all types	t	109	94	104	95
<b>Other material and elements for incorporating</b>					
Rails and accessories	t	18	31	8	15
Plates and sheets, black	kg	52 048	96	49 900	85
Zinc galvanized plates and sheets	kg	90 398	266	82 353	268
Aluminium plates and sheets	kg	11 005	84	7 147	65
Glass, heat insulation	m <sup>2</sup>	2 300	101	2 033	95
Glass sheets, other types	m <sup>2</sup>	11 400	117	10 094	111
Non-ferrous metals joinery (windows, doors, blinds)	t	90	63	114	85
Building metal elements (iron sheet pipes and chimneys, steel windows, doors, Venetian blinds)	t	22	19	20	17
Doors and windows, wooden, all types	piece	9 880	1 755	10 946	2 226
Material for fitting in (built-in furniture, window blinds)	thous. EUR	-	851	-	853
Other material not mentioned elsewhere (for repairs, machinery and vehicles maintenance, stationery and other)	thous. EUR	-	2 612	-	1 340
<b>Consumed power material</b>					
Bitumen	t	12 754	4 567	12 647	4 591
Motor petrol for transport	t	920	1 140	853	1 096
Motor petrol for drive	t	14	15	32	36
Diesel petrol for transport	t	23 953	27 927	20 788	25 420
Diesel petrol for drive	t	5 786	5 415	5 094	5 217
Gas/Diesel oil and fuel oil	t	770	658	858	848
Other petroleum products	t	2	4	1	1
Other fuels	l	4 571	12	744	2
Electricity	MWh	51 853	5 658	40 752	4 618

## METHODOLOGICAL NOTES

The presented data are collected through the 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.

The data are published in line with the [Statistical Release Calendar](#).

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

When using the data, state:

"Data source: Statistical Office - MONSTAT"

*More data, as well as detailed methodological notes can be found in the section: [Consumption of construction and propulsion materials](#)*