

RELEASE 121-2/2023

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Consumption of construction and propulsion materials

2022

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 2022 in Montenegro is 157.4 million EUR representing a decrease of 2% compared with 2021.

Graph 1. Total value of construction and propulsion material spent, in thous. EUR

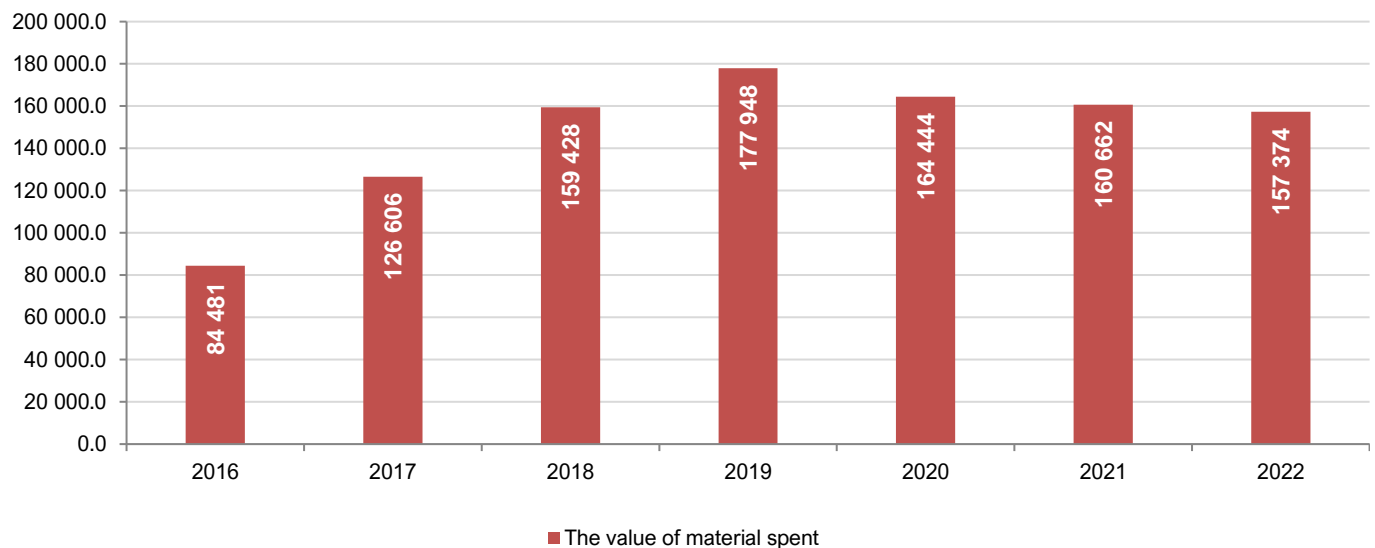


Table 1. Quantity and value of spent construction materials, Montenegro

Type of material	Unit of measurement	2021		2022	
		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
Building elements					
Solid brick	thous.pcs	1 358	281	1 407	292
Perforated brick	thous.pcs	1 513	534	1 631	565
Solid facade brick	thous.pcs	386	106	402	111
Hollow clay blocks	thous.pcs	1 638	563	1 798	598
Facade blocks	thous.pcs	112	76	358	231
Brick and blocks, based on cement, slag and dross	thous.pcs	1 041	625	1 193	692
Brick and blocks made from other materials (kermesite, "siporex")	thous.pcs	394	234	436	259
Elements for ceilings and arches					
Floor bricks and inserting bricks	thous.pcs	500	241	506	245
Beams, half-assembly and assembly for arches (clay elements)	thous.m	88	88	44	45
Blocks for ceilings and arches (on the basis of cement)	thous.pcs	80	87	77	84
Prefabricated elements and finished constructions					
Light building boards for outside walls	m ²	1 200	10	2 044	18
Boards for walls facing	m ²	1 099	60	1 067	59
Light building boards for partition walls	m ²	9 380	150	8 550	134
Light building boards for ceilings	m ²	6 312	102	6 458	104
Light building isolation boards	m ²	10 000	260	10 777	271
Plaster boards, all types	m ²	142 452	1 262	135 903	1 203
Steel constructions for bridges	t	12	32	15	39
Other steel constructions, all types (roofs, pillars, frames, scaffoldings and similar)	t	4 873	1 895	4 268	1 602
Building constructions and prefabricated elements for civil engineering	t	8 436	395	8 020	363
High buildings prefabricated constructions elements	t	10 000	666	9 010	620
Wooden construction (finished roof constructions)	m ³	603	82	719	98
Binder material					
Quicklime	t	411	101	413	104
Lime, hydrated	t	1 685	232	1 682	226
Plaster, baked	t	714	73	800	86
Portland cement	t	19 830	2 210	21 170	2 371
Cement, other types	t	24 541	2 385	25 366	2 423
Plastic building materials	t	543	275	788	425
Cement mortars, all types	m ³	27 551	1 722	26 671	1 666
Concrete, fresh	m ³	468 707	32 896	462 671	33 351
Asphalt	t	209 613	19 184	178 396	15 957
Aggregates and profiled material of stone					
Profiled material of stone (curb stone, fence, stone cube, etc.)	m ³	5 051	1 189	6 336	1 559
Crashed technical stone and marble, all types	m ³	5 454	526	5 206	519
Broken stone and small size stone	m ³	12 928	239	8 620	166
Aggregates for concrete	m ³	502 472	6 823	488 574	6 595
Gravel	m ³	37 310	1 003	38 495	1 035
Sand	m ³	11 417	186	10 307	170
Terrazzo-granulates	t	2 000	109	1 808	97

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Reinforcing and attaching material					
Concrete steel	t	22 316	13 039	22 386	13 716
Wire, black and galvanized	kg	59 036	445	55 352	417
Other iron sections, heavy, medium and light	t	2 996	1 464	3 189	1 529
Various elements for reinforced concrete (reinforcing nets, wall canvas)	t	11 499	5 107	9 440	4 117
Nails	kg	125 202	303	142 124	370
Timber					
Timber, conifer (sawn, hewn)	m ³	10 095	1 494	7 124	1 025
Timber, conifer (round)	m ³	2 027	93	2 150	99
Timber, deciduous (sawn and hewn)	m ³	636	41	646	44
Timber, deciduous (round)	m ³	658	282	620	266
Boards for panelling	m ³	10 771	259	9 449	229
Mining wood	m ³	40	10	36	9
Isolation material and coatings					
Roofing boards, all types	roll	2 639	69	2 338	64
Bitumen, bitulit, bituminous jute, strips, matters, emulsions...	t	21 189	1 560	21 839	1 689
Expanded polystyrene	kg	95 940	716	91 985	672
Other isolation materials (glass wool, mineral wool. etc.)	t	2 577	871	2 366	813
Paints (all types), varnishes, enamels, dissolvent etc.	kg	80 041	876	81 293	887
Roofing material					
Corrugated and plane sheets of "salonite" and asbestos	m ³	2 221	33	1 998	30
Plane, corrugated and interlocking title	thous.pcs	279	130	351	171
Other roofing material (concrete tiles, plastic boards)	m ²	1 362	50	1 300	46
Material for floor wall covering					
Vinyl and asbestos boards and other artificial flooring masses	t	1	1	2	2
Ceramic titles (wall, floor and facade)	m ²	77 022	1 158	83 198	1 217
Ceramic and marble facing boards	m ²	15 672	561	15 313	546
Tiles of grinded stone and marble	m ²	3 149	100	2 871	91
Terrazzo boards	m ²	1 001	54	981	52
Plywood, panel, fibreboard and other wood based boards	m ²	8 043	102	7 936	99
Parquet (breech, oak and other)	m ²	22 547	503	22 021	501
Laminated parquet	m ²	24 168	600	23 499	577
Ceiling and wall panelling	m ²	4 000	100	3 800	94
Plastic boards for walls	m ²	559	48	502	43
Wallpapers, all types	m ²	745	32	710	29
Material for plumping, sewerage system, heating, ventilation, for sanitary facilities					
Pipes, seamless	kg	6 783	91	5 838	80
Pipes, seamed	kg	91 237	286	87 293	271
Cast iron pipes and fittings	kg	10 500	77	6 776	50
Pipes, plastic, all types	kg	91 780	337	86 420	317
Pipe fittings and flanges	kg	30 835	174	29 969	163

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Ceramics, sewage tubes	t	8	38	5	24
Asbestos - cement pipes	t	85	11	14	2
Pipes, concrete, all types	t	17 500	970	16 841	957
Ceramics, sanitary	piece	11 012	404	11 461	420
Sanitary equipment, of plate and cast iron	piece	10	1	29	3
Plastics sanitary equipment	piece	1 222	44	1 225	44
Other ceramic for construction (tiles for stoves and fireplaces, technical ceramic, etc.)	piece	417	50	399	47
Heating furnaces	piece	3	4	2	3
Radiators, all types	m ²	982	72	911	67
Material for power supply installations					
Ropes and wires, copper	kg	20 572	283	20 003	272
Wire, of aluminium and aluminium alloys	kg	11 652	223	10 459	210
Ropes, of aluminium and Ferro – aluminium	kg	1 936	48	1 600	40
Conductors, insulated (poly - vinyl chloride, rubber etc.)	m	32 163	251	28 700	226
Cables, all types	m	313 857	1 147	334 848	1 200
Installation material (switches, plugs, boxes, lamp holders)	thous. EUR	-	2 064	-	1 827
Electric insulators, all types	t	104	95	102	93
Other material and elements for incorporating					
Rails and accessories	t	8	15	7	14
Plates and sheets, black	kg	49 900	85	49 119	77
Zinc galvanized plates and sheets	kg	82 353	268	87 905	283
Aluminium plates and sheets	kg	7 147	65	6 474	59
Glass, heat insulation	m ²	2 033	95	2 182	103
Glass sheets, other types	m ²	10 094	111	10 327	116
Non-ferrous metals joinery (windows, doors, blinds)	t	114	85	150	116
Building metal elements (iron sheet pipes and chimneys, steel windows, doors, Venetian blinds)	t	20	17	17	15
Doors and windows, wooden, all types	piece	10 946	2 226	11 943	2 421
Material for fitting in (built-in furniture, window blinds)	thous. EUR	-	853	-	792
Other material not mentioned elsewhere (for repairs, machinery and vehicles maintenance, stationery and other)	thous. EUR	-	1 340	-	1 116
Consumed power material					
Bitumen	t	12 647	4 591	11 971	4 111
Motor petrol for transport	t	853	1 096	567	713
Motor petrol for drive	t	32	36	97	125
Diesel petrol for transport	t	20 788	25 420	20 368	25 131
Diesel petrol for drive	t	5 094	5 217	6 423	6 428
Gas/Diesel oil and fuel oil	t	858	848	767	769
Other petroleum products	t	1	1	2	2
Other fuels	l	744	2	740	2
Electricity	MWh	40 752	4 618	42 546	4 838

METHODOLOGICAL NOTES

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 to the [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.

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](#)