

# ENVIRONMENTAL INDICATORS

	ARGOS	GCCA	GRI	DJSI	SASB	2018	2019	2020	2021	GOAL 2030	COMMENTS
<b>CO<sub>2</sub> EMISSIONS</b>											
<b>Cement</b>											
Direct GHG emissions Scope 1 (t CO <sub>2</sub> )			305-1	2.3.1	EM-CM-110a.1	7,794,246	8,186,930	7,281,478	8,291,874		
Indirect GHG emissions Scope 2 ("location" method) (t CO <sub>2</sub> )			305-2	2.3.2		436,090	432,834	399,728	408,558		
Indirect GHG emissions Scope 2 ("Market" method) (t CO <sub>2</sub> )			305-2	2.3.2					386,513		
Total CO <sub>2</sub> emissions gross (t CO <sub>2</sub> /año)		GCCA				7,794,246	8,186,930	7,281,478	8,291,874		
Total CO <sub>2</sub> emissions net (t CO <sub>2</sub> /año)		GCCA				7,661,340	8,057,886	7,176,891	8,166,427		
Specific CO <sub>2</sub> emissions - gross (kg CO <sub>2</sub> /t cementitious material)		GCCA	305-4			627	638	643	645		
Specific CO <sub>2</sub> emissions - net (kg CO <sub>2</sub> /t cementitious material)	A-EC1	GCCA				616	627.9	634	635	523	
<b>Concrete</b>											
Direct GHG emissions Scope 1 (t CO <sub>2</sub> )			305-1			114,944	126,796	72,026	77,635		
Indirect GHG emissions Scope 2 (t CO <sub>2</sub> )			305-2			14,968	12,737	14,041	10,696		
GHG emissions intensity (kg CO <sub>2</sub> /m <sup>3</sup> concrete)			305-4			12	14	9	10		
<b>Aggregates</b>											
Direct GHG emissions Scope 1 (t CO <sub>2</sub> )			305-1			4,899	4,009	2,806	4,275		
Indirect GHG emissions (Scope 2) (t CO <sub>2</sub> )			305-2			1,109	752	656	747		
GHG emissions intensity (kgCO <sub>2</sub> /t product)			305-4			2	2	2	3		
<b>Electricity generation</b>											
Direct GHG emissions Scope 1 (t CO <sub>2</sub> )			305-1			384,307	395,896	416,468	415,300		
Indirect GHG emissions Scope 2 (t CO <sub>2</sub> )			305-2			NA	NA	NA	-		
GHG emissions intensity (kg CO <sub>2</sub> /MWh)			305-4			865	865	910	924		
<b>Company</b>											
Total direct GHG emissions (Scope 1) (t CO <sub>2</sub> )			305-1	2.3.1		8,298,395	8,713,631	7,772,778	8,789,085		
Total indirect GHG emissions Scope 2 ("location" method) (t CO <sub>2</sub> )			305-2	2.3.2		452,167	446,322	414,425	420,000		
Total direct and indirect GHG emissions ("location" method) (t CO <sub>2</sub> )						8,750,562	9,159,953	8,187,203	9,209,085		
Total indirect GHG emissions Scope 2 ("Market" method) (t CO <sub>2</sub> )			305-2	2.3.2					397,955		
Total direct and indirect GHG emissions ("Market" method) (t CO <sub>2</sub> )									9,187,040		
Other indirect GHG emissions (Scope 3) (t CO <sub>2</sub> )			305-3	2.6.10		3,580,053	4,328,311	4,153,714	4,127,706		
percentage covered under emissions-limiting regulations (%)					EM-CM-110a.2						
<b>ENERGY AND FUELS</b>											
Energy consumption within the organization - cement (GJ)			302-1			40,616,758	42,279,469	37,058,870	42,933,295		
Energy consumption within the organization - concrete (GJ)			302-1			1,696,758	1,836,511	1,102,264	1,163,190		
Energy consumption within the organization - aggregates (GJ)			302-1			92,730	71,786	50,535	69,300		
Energy consumption within the organization - energy generation (GJ)			302-1			4,619,321	5,014,380	4,614,307	5,190,638		
Energy sold to the grid (GJ)			302-1			N.A.	161,688	211,309	41,602		
Total energy consumption within the organization (GJ)			302-1		EM-CM-130a.1	45,742,995	47,685,450	41,253,086	47,868,464		
Alternative energy (%)					EM-CM-130a.1	3.8%	4.2%	4.7%	3.52%		6.4% use of alternative fuels

	ARGOS	GCCA	GRI	DJSI	SASB	2018	2019	2020	2021	GOAL 2030	COMMENTS
electricity purchased (%)					EM-CM-130a.1	8.2%	7.0%	6.5%	9.07%		
Renewable energy (%)					EM-CM-130a.1	-	-	-	0.7%		
Total non-renewable energy consumption within the organization (MWh)			2.3.3			12,004,281	12,368,809	10,579,857	12,123,511		
Specific caloric consumption of clinker production (MJ/t clinker)		GCCA				3,730	3,759	3,684	3,822		
Substitution of caloric consumption of fossil fuels with alternative fuels (%)	A-ENE1			2.5.1		5.1%	5.6%	6.3%	6.4%	33.0%	
Rate of alternative fuels (%)		GCCA				4.9%	4.5%	4.2%	4.4%		
Biomass rate as fuel (%)		GCCA				0.22%	1.02%	2.04%	2.0%		
<b>MATERIALS (t/year)</b>											
<b>Cement</b>											
Raw materials			301-1			17,284,870	17,838,357	15,327,796	17,723,971		
Auxiliary materials			301-1			8,759,543	10,840,546	8,317,068	10,599,696		
Semi-finished			301-1			3,245,333	3,506,215	3,652,037	4,341,836		
Packing			301-1			19,738	17,080	22,906	36,232		
<b>Concrete</b>											
Raw materials			301-1			19,172,674	17,294,278	16,007,268	14,426,787		
Auxiliary materials			301-1			825,498	1,320,506	673,430	1,533,046		
Semi-finished			301-1			4,724,211	4,169,891	3,925,733	3,429,111		
<b>Aggregates</b>											
Raw materials			301-1			2,769,282	2,302,807	1,657,764	1,599,632		
Auxiliary materials			301-1			1,269	1,271	52,645	189,394		
Semi-finished			301-1			-	-	-	4,018		
<b>Electricity generation</b>											
Raw materials			301-1			-	-	-	-		
Auxiliary materials			301-1			97,337,958	862,234	742,312	727,809		
<b>Company</b>											
Raw materials			301-1			39,226,827	37,435,442	32,992,829	33,750,391		
Auxiliary materials			301-1			106,924,269	13,024,558	9,785,455	13,049,946		
Semi-finished			301-1			15,763,790	7,676,107	7,577,771	7,774,964		
Packing			301-1			19,738	17,080	22,906	36,232		
<b>Total consumption of materials (t)</b>						<b>161,934,623</b>	<b>58,153,187</b>	<b>50,378,961</b>	<b>54,611,533</b>		
Alternative Raw Materials (cement) (%)	A-EC2	GCCA		2.5.1		10.2%	10.7%	12.0%	10.8%	15.0%	
Supplementary Cementitious Material (concrete) (%)	A-EC3					16.3%	16.8%	17.8%	34.0%	18.0%	
Volume of recycled aggregates used (t accumulated)	A-EC4					12,720	15,277	17,034	18,404		
Ratio Clinker/Cement		GCCA		2.5.1		76%	77%	78%	77%		
<b>WASTE</b>											
<b>Total waste</b>			306-2	2.3.5	EM-CM-150a.1	<b>212,226</b>	<b>265,068</b>	<b>143,816</b>	<b>188,824</b>		
<b>Hazardous waste (t/year)</b>			306-2			<b>1,585</b>	<b>847</b>	<b>418</b>	<b>687</b>		
Reuse / Recycling / Recovery, including recovery of waste / Other post consumption programs			306-2			801	335	144	428		
Coprocessing			306-2			18	12	2	13		
Incineration			306-2			282	181	149	159		
Secure Landfill			306-2			484	320	123	86		
Percentage of hazardous waste generated					EM-CM-150a.1					0.36%	
Percentage of hazardous wastes that were incinerated					EM-CM-150a.1					25%	
<b>Non hazardous waste (t/year)</b>			306-2			<b>210,641</b>	<b>264,220</b>	<b>143,398</b>	<b>188,137</b>		
Reuse / Recycling / Recovery / Composting			306-2			94,180	106,492	84,491	75,741		
Coprocessing			306-2			2,677	58	88	7		
Incineration			306-2			335	2	2	99		
Secure Landfill			306-2			13,142	13,709	5,256	4,663		
Authorized site for disposal of concrete debris			306-2			100,307	143,960	53,562	107,626		
<b>Recovery, recycling and reused</b>						<b>97,675</b>	<b>106,896</b>	<b>84,725</b>	<b>76,170</b>		

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Hazardous waste				2.3.5		819	346	146	428		
Non hazardous waste				2.3.5		96,856	106,550	84,579	75,741		
Percentage of total recycled waste					EM-CM-150a.1				0		
<b>Waste disposed through landfill or incineration</b>				2.3.5		114,551	158,172	59,091	112,654		
Hazardous waste				2.3.5		766	501	272	259		
Non hazardous waste				2.3.5		113,785	157,671	58,819	112,396		
Total recycled/reused waste				DJSI					76,170		
Total waste disposed of through landfills				DJSI					112,376		
Waste incinerated with or without energy recovery				DJSI					279		
Waste disposed of by other means of disposa				DJSI					-		
Waste with unknown method of disposal				DJSI					-		
											All emissions were quantified through continuous monitoring systems as well as isokinetic monitoring.
<b>OTHER EMISSIONS</b>											
<b>Cement</b>											
<b>Dust</b>											
Absolute dust emissions (t/year)			305-7		EM-CM-120a.1	831	863	617	854		
Absolute dust emissions (t) Only kiln		GCCA - KPI 3				406	589	315	500		
Specific dust emissions (g MP/t clinker)	A-OE1	GCCA - KPI 3				45	62	37	53	45	
Coverage with dust monitoring (percentage of clinker produced in kilns covered with monitoring systems for dust) (%)		GCCA - KPI 4				100%	100%	99%	100%		
<b>NO<sub>x</sub></b>											
Absolute NO <sub>x</sub> emissions (t NO <sub>x</sub> /year)		GCCA - KPI 3	305-7		EM-CM-120a.1	11,838	10,726	11,106	12,054		
Absolute NO <sub>x</sub> emissions (t NO <sub>x</sub> /year) Only kiln						11,838	10,726	11,101	12,020		
Specific NO <sub>x</sub> emissions (g NO <sub>x</sub> /t clinker)	A-OE1	GCCA - KPI 3				1,311	1,128	1,319	1,274	1,205	
Coverage with NO <sub>x</sub> monitoring (percentage of clinker produced in kilns covered with monitoring systems for NO <sub>x</sub> ) (%)		GCCA - KPI 4				100%	100%	99%	100%		
<b>SO<sub>2</sub></b>											
Absolute SO <sub>2</sub> emissions (t SO <sub>2</sub> /year)		GCCA - KPI 3	305-7		EM-CM-120a.1	1,780	1,880	1,579	2,816		
Absolute SO <sub>2</sub> emissions (t SO <sub>2</sub> /year) Only kiln						1,780	1,880	1,482	2,654		
Specific SO <sub>2</sub> emissions (g SO <sub>2</sub> /t clinker)	A-OE1	GCCA - KPI 3				197	198	176	281	205	
Coverage with SO <sub>2</sub> monitoring (percentage of clinker produced in kilns covered with monitoring systems for SO <sub>2</sub> ) %		GCCA - KPI 4				100%	100%	99%	100%		
Total coverage (percentage of clinker produced in kilns covered with monitoring systems, continuous or discontinuous, for dust, NO <sub>x</sub> , SO <sub>2</sub> , VOC/THC, heavy metals) %		GCCA - KPI 1				55.5%	82.6%	60.8%	42%		
Coverage with continuous monitoring of emissions (percentage of clinker produced in kilns covered with continuous monitoring systems for dust, NO <sub>x</sub> , SO <sub>2</sub> )		GCCA - KPI 2				92.0%	88.1%	91.2%	89%		
Absolute VOC/THC emissions (t VOC/year)		GCCA - KPI 3		2.3.10	EM-CM-120a.1	275	355	214	268		
Specific VOC/THC emissions (g VOC/t clinker)		GCCA - KPI 3				37	45	47	54		
Coverage VOC/THC (%)		GCCA - KPI 4				81.7%	82.6%	54.5%	76%		

	ARGOS	GCCA	GRI	DJSI	SASB	2018	2019	2020	2021	GOAL 2030	COMMENTS
Absolute PCDD/F emissions (mg PCDD/year)		GCCA - KPI 3			EM-CM-120a.1	71	149	55	67		
Specific PCDD/F emissions (mg PCDD/t clinker)		GCCA - KPI 3				10	19	8	9.3		
Coverage PCDD/F (%)		GCCA - KPI 4				72.1%	82.6%	79.8%	54%		
Absolute Hg emissions (kg Hg/year)		GCCA - KPI 3		2.3.8	EM-CM-120a.1	226	283	226	142		
Specific Hg emissions (mg Hg/t clinker)		GCCA - KPI 3				31	34	30	20		
Coverage Hg (%)		GCCA - KPI 4				81.7%	87.7%	90.1%	76%		
Absolute HM1 (Cd + TI) emissions (kg HM1/year)		GCCA - KPI 3			EM-CM-120a.1	36	31	18	25.7		sum of cadmium and thallium its compounds expressed as cadmium (Cd) and thallium (TI)
Specific HM1 (Cd + TI) emissions (mg HM1/t clinker)		GCCA - KPI 3				5	4	2.6	4.2		
Coverage HM1 (Cd + TI) (%)		GCCA - KPI 4				75.2%	82.6%	79.8%	65%		
Absolute HM2 emissions ( Sum of Sb, As, Pb, Cr, Co, Cu, Mn, Ni, V) (kg HM2/año)		GCCA - KPI 3			EM-CM-120a.1	1,312	1,204	2,907	1672		sum of antimony, arsenic, lead, chrome, cobalt, copper, manganese, nickel and vanadium and its compounds expressed as antimony (Sb), arsenic (As), lead (Pb), Chromium (Cr), cobalt (Co), copper (Cu), manganese (Mn), nickel (Ni) and vanadium (V)
Specific HM2 emissions ( Sum of Sb, As, Pb, Cr, Co, Cu, Mn, Ni, V) (mg HM2/t clinker)		GCCA - KPI 3				178	153	433	272		
Coverage HM2 ( Sum of Sb, As, Pb, Cr, Co, Cu, Mn, Ni, V) (%)		GCCA - KPI 4				75.2%	82.6%	79.8%	65%		
<b>Concrete</b>											
Absolute dust emissions (t/year)			305-7			129	117	97	107		
<b>Electricity generation</b>											
Absolute dust emissions (t/year)			305-7			21	11	37	30		
Absolute NO <sub>x</sub> emissions (t NO <sub>x</sub> /year)			305-7			375	464	466	1,715		
Absolute SO <sub>2</sub> emissions (t SO <sub>2</sub> /year)			305-7			1,844	2,120	1,740	826		
<b>Company</b>											
Absolute dust emissions (t/year)			305-7	2.3.9	EM-CM-120a.1	980	991	751	991		The report corresponds to the emissions of particulate matter measured according to EPA Method #5 "Determinants of the emissions of particulate matter in sources stationary"
Absolute NO <sub>x</sub> emissions (t NO <sub>x</sub> /year)			305-7	2.3.6	EM-CM-120a.1	12,213	11,190	11,572	13,769		
Absolute SO <sub>2</sub> emissions (t SO <sub>2</sub> /year)			305-7	2.3.7	EM-CM-120a.1	3,624	4,000	3,319	3,642		

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	ARGOS	GCCA	GRI	DJSI	SASB	2018	2019	2020	2021	GOAL 2030	COMMENTS
<b>WATER</b>											
<b>Water Withdrawal (m<sup>3</sup>/year)</b>											
<b>Cement</b>											
			303-3								
Water withdrawn - surface source			303-3			3,171,553	3,661,583	2,709,839	3,005,841		
Water withdrawn - Groundwater			303-3			4,047,012	5,277,888	4,205,991	5,595,108		
Water withdrawn - rainwater			303-3			38,389	141,756	74,064	116,612		
Municipal water supply or from other water companies			303-3			444,501	514,633	492,301	569,824		
Total water withdrawal in cement production			303-3			7,663,066	9,454,104	7,408,131	9,170,773		
Water withdrawal in in water-stressed areas			303-3			248,257					
% Water withdrawal in in water-stressed areas - cement production			303-3			3.08%	-	-	-		No facilities are located in water-stressed areas for the cement business.
<b>Concrete</b>											
			303-3								
Water withdrawn - surface source			303-3			62,043	81,869	79,267	109,895		
Water withdrawn - Groundwater			303-3			787,565	827,106	814,159	1,390,784		
Water withdrawn - rainwater			303-3			50,814	32,857	24,738	32,637		
Municipal water supply or from other water companies			303-3			1,360,737	1,163,293	996,012	566,505		
Water withdrawal in in water-stressed areas			303-3			360,225	451,674	407,310	227,641		
% Water withdrawal in in water-stressed areas -			303-3			16.29%	21.79%	21.56%	11.01%		
<b>Aggregates</b>											
			303-3								
Water withdrawn - surface source			303-3			299,885	230,402	202,216	186,633		
Water withdrawn - Groundwater			303-3			249	399	375	340		
Water withdrawn - rainwater			303-3			5,572	15	15	271		There were difficulties with some meters in the Colombia Region. Estimates were used
Municipal water supply or from other water companies			303-3			1,170	1,125	464	788		
Water withdrawal in in water-stressed areas			303-3			301,304	231,926	203,055	187,761		
% Water withdrawal in in water-stressed areas - aggregates production			303-3			0.03%	-	-	-		No facilities are located in water stress zones for the aggregates business.
<b>Electricity generation</b>											
			303-3								
Water withdrawn - surface source			303-3			97,165,248	679,010	556,982	545,273		
Water withdrawn - Groundwater			303-3			-	-	757	-		
Water withdrawn - rainwater			303-3			-	-	-	-		
Municipal water supply or from other water companies			303-3			-	-	-	-		
Water withdrawal in in water-stressed areas			303-3			-	-	-	-		
% Water withdrawal in water-stressed areas in electricity generation			303-3			-	-	-	-		There are no facilities located in water stress zones for self-generation of energy.
<b>Company</b>											
			303-3								
Water withdrawn - surface source			303-3			100,698,728	4,652,865	3,548,304	3,847,642		
Water withdrawn - Groundwater			303-3			4,834,826	6,105,393	5,021,282	6,986,232		
Water withdrawn - rainwater			303-3			94,774	174,627	98,817	149,520		
Municipal water supply or from other water companies			303-3			1,806,408	1,679,051	1,488,777	1,137,117		
Water withdrawal in in water-stressed areas			303-3		EM-CM-140a.1	643,993	451,674	407,310	227,641		
% Water withdrawal in in water-stressed areas			303-3		EM-CM-140a.1	5.62%	3.63%	4.05%	1.90%		
<b>Water withdrawn by source (m<sup>3</sup>/year)</b>	GCCA		303-3		EM-CM-140a.1	11,076,761	12,437,309	10,058,363	11,970,991		
<b>Water discharge (m<sup>3</sup>/year)</b>											
<b>Cement</b>											
			303-4								
Discharge to surface sources			303-4			4,021,544	5,731,298	4,419,705	5,886,565		
Discharge to groundwater sources			303-4			181,956	235,768	198,613	47,434		
Discharge to the sea			303-4			-	-	-	-		
Discharge to sewerage system			303-4			36,149	50,683	32,885	103,422		
<b>Concrete</b>											
			303-4								
Discharge to surface sources			303-4			75,487	34,284	1,485	2,034		
Discharge to groundwater sources			303-4			6,072	5,179	2,857	4,714		
Discharge to the sea			303-4			-	-	-	-		
Discharge to sewerage system			303-4			14,562	34,809	30,237	120,618		

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<b>Agregados</b>			303-4								
Discharge to surface sources			303-4			26,111	232	189	2,077		
Discharge to groundwater sources			303-4			123	114	57	1,839		
Discharge to the sea			303-4			-	-	-	-		
Discharge to sewerage system			303-4			-	-	-	-		
<b>Electricity generation</b>			303-4								
Discharge to surface sources			303-4			4,202	-	-	-		
Discharge to groundwater sources			303-4			-	-	-	-		
Discharge to the sea			303-4			-	-	-	-		
Discharge to sewerage system			303-4			-	-	-	-		
<b>Company</b>			303-4								
Discharge to surface sources			303-4			4,127,344	5,765,814	4,421,379	5,890,676		
Discharge to groundwater sources			303-4			188,151	241,061	201,527	53,987		
Discharge to the sea			303-4			-	-	-	-		
Discharge to sewerage system			303-4			50,712	85,492	63,122	224,041		
<b>Total water discharge</b>		GCCA	303-4			4,366,207	6,092,367	4,686,028	6,168,704		
% of reused and/ or recycled water for cement	A-A2					126.0%	120%	144%	112%		
% of reused and/ or recycled water for concrete	A-A2					16.1%	19%	19%	19%		
% of reused and/ or recycled water for Aggregates	A-A2					116.2%	270%	6%	15%		
% of reused and/ or recycled water for Electricity generation	A-A2					23.0%	4281%	5269%	4775%		
<b>% of reused and/ or recycled water for Company</b>	A-A2				EM-CM-140a.1	94%	99%	110%	91%		
<b>Water consumption (m<sup>3</sup>/year)</b>											
Water consumption Cement		GCCA	303-5			3,461,806	3,578,111	2,830,992	3,249,963		
Water consumption Concrete		GCCA	303-5			2,165,037	2,030,853	1,879,596	1,972,454		
Water consumption Aggregates		GCCA	303-5			280,641	231,595	202,824	184,117		
Water consumption Electricity generation		GCCA	303-5			897,844	679,010	557,739	545,273		
Water consumption Company		GCCA	303-5	2.3.4	EM-CM-140a.1	6,805,329	6,519,570	5,471,151	5,951,808		
Water consumption in water-stressed areas (m <sup>3</sup> ) Cement		GCCA	303-5			275,435	0	0	0		
Water consumption in water-stressed areas (m <sup>3</sup> ) Concrete		GCCA	303-5			357,042	443,154	387,825	216,123		
Water consumption in water-stressed areas (m <sup>3</sup> ) Aggregates		GCCA	303-5			101	0	0	0		Problems are encountered with some meters, estimates are used
Water consumption in water-stressed areas (m <sup>3</sup> ) Electricity generation		GCCA	303-5			0	0	0	0		
<b>Total water consumption in in water-stressed areas (m<sup>3</sup>/year)</b>		GCCA	303-5			633	443,154	387,825	216,123		
Water consumption in water-stressed areas Cement (%)		GCCA	303-5			7.38%	0	0	0		
Water consumption in water-stressed areas Concrete (%)		GCCA	303-5			16.49%	21.82%	20.63%	10.96%		
Water consumption in water-stressed areas aggregates (%)		GCCA	303-5			0.03%	0	0	0		
Water consumption in water-stressed areas electricity generation (%)		GCCA	303-5			0	0	0	0		
Water consumption in water-stressed areas (%)		GCCA	303-5		EM-CM-140a.1	0	6.79%	7.09%	3.63%		
<b>Specific water consumption</b>											
Cement (L/t Cement)	A-A1					259	264	235	236	245	
Concrete (L/m <sup>3</sup> Concrete)	A-A1					228	215	237	259	216	Its variation is due to an increase in plants with measurement in RUSA
Aggregates (L/t aggregates)	A-A1					109	100	109	95		Difficulties were encountered with meters in RCOL and estimates were used.

APPENDICES

	ARGOS	GCCA	GRI	DJSI	SASB	2018	2019	2020	2021	GOAL 2030	COMMENTS
<b>BIODIVERSITY</b>											
% of active and inactive quarries within, adjacent to, or containing protected areas or areas of high biodiversity value with biodiversity management plan in place	A-B11					71.0%	68%	77%	74%	85%	
% Released areas rehabilitated at active and inactive quarries	A-B12				EM-CM-160a.2	84.8%	87%	81%	77%	90%	
Total affected area (ha)					EM-CM-160a.2			2,897	2,534		
% of active Facilities within, adjacent to, or containing protected areas or areas of high biodiversity value	A-B13			2.4.2		67.0%	66%	68%	12%		
# of active Facilities within, adjacent to, or containing protected areas or areas of high biodiversity value			304-1	2.4.2		30	29	22	29		
% of active and inactive quarries that have an established closure plan	A-B14					89.0%	78%	88%	89%		
% of active quarries that have an established closure plan	GCCA					90.9%	93%	95%	97%		
% of active quarries within, adjacent to, or containing protected areas or areas of high biodiversity value	GCCA					45.5%	41%	33%	31%		
% of active quarries within, adjacent to, or containing protected areas or areas of high biodiversity value with biodiversity management plan in place	GCCA					80.0%	78%	85%	82%		
<b>Species on the IUCN Red List and species on the National Conservation List that inhabit areas affected by operations</b>											
Total of species		304-4				77	160	170	165		
In critical danger		304-4				5	15	15	13		
In danger		304-4				10	21	20	20		
Vulnerable		304-4				26	55	60	58		
Nearly threatened		304-4				6	11	12	12		
Minor concern		304-4				30	58	63	62		
<b>SUSTAINABLE CONSTRUCTION</b>											
Revenues obtained from products with sustainability characteristics. (USD)	A-CS1				EM-CM-410a.1	177,739,329	268,213,269	283,751,623	1,515,849,327	800,000,000	[102-48] Figures for 2017, 2018 and 2019 were restated under the new definition of the green solutions portfolio established by the company. There is a significant variation between the years 2021 and 2022 mainly due to the detailed classification of our portfolio according to the categories of green solutions.
<b>ENVIRONMENTAL INVESTMENTS (COP)</b>											
Capital investments				2.2.3		148,044,654,844	110,091,804,288	27,474,410,160	40,682,395,995		
Operating expenses				2.2.3		20,591,934,453	26,651,481,969	26,513,324,526	68,655,656,489		
Total expenses (capital investments + operating expenses)				2.2.3		168,636,589,297	136,743,286,257	53,987,734,686	109,338,052,484		
Savings, avoided costs, income, tax incentives				2.2.3		6,975,675,702	10,253,198,055	17,325,102,725	16,779,549,267		