

CEMENT

WATER WITHDRAWAL BY SOURCE IN ALL AREAS (M3/YEAR) - CEMENT	Unit of measure	2017	2018	2019	2020
FRESH WATER WITHDRAWN BY SURFACE SOURCE INCLUDING WATER FROM WETLANDS, RIVERS, LAKES	m3	3.390.866	3.552.909	3.661.583	2.709.839
GROUNDWATER	m3	5.686.243	4.047.012	5.277.888	4.205.991
RAINWATER WITHDRAWN DIRECTLY BY CEMENTOS ARGOS AND/OR ITS SUBSIDIARIES	m3	52.580	38.389	141.756	74.064
MUNICIPAL WATER SUPPLY OR FROM OTHER WATER COMPANIES	m3	707.704	444.501	514.633	492.301
TOTAL WITHDRAWAL IN ALL AREAS IN THE PRODUCTION OF CEMENT	m3	9.784.813	8.044.422	9.454.104	7.408.131

WATER WITHDRAWAL BY SOURCE IN AREAS OF WATER STRESS (M3/YEAR) - CEMENT	Unit of measure	2017	2018	2019	2020
FRESH WATER WITHDRAWN BY SURFACE SOURCE INCLUDING WATER FROM WETLANDS, RIVERS, LAKES	m3	-	-	-	-
GROUNDWATER	m3	-	78.315	-	-
RAINWATER WITHDRAWN DIRECTLY BY CEMENTOS ARGOS AND/OR ITS SUBSIDIARIES	m3	-	34.448	-	-
MUNICIPAL WATER SUPPLY OR FROM OTHER WATER COMPANIES	m3	-	169.942	-	-
TOTAL WITHDRAWAL AREAS OF WATER STRESS IN THE PRODUCTION OF CEMENT	m3	-	248.257	-	-
% WATER WITHDRAWL IN AREAS OF WATER STRESS IN THE PRODUCTION OF CEMENT	%	0	3,08	0	0

CONCRETE

WATER WITHDRAWAL BY SOURCE IN ALL AREAS (M3/YEAR) - CONCRETE	Unit of measure	2017	2018	2019	2020
FRESH WATER WITHDRAWN BY SURFACE SOURCE INCLUDING WATER FROM WETLANDS, RIVERS, LAKES	m3	52.459	62.043	81.869	79.267
GROUNDWATER	m3	849.967	787.565	827.106	814.159
RAINWATER WITHDRAWN DIRECTLY BY CEMENTOS ARGOS AND/OR ITS SUBSIDIARIES	m3	45.021	50.814	32.857	24.738
MUNICIPAL WATER SUPPLY OR FROM OTHER WATER COMPANIES	m3	1.481.603	1.360.737	1.163.293	996.012
TOTAL WITHDRAWAL IN ALL AREAS IN THE PRODUCTION OF CONCRETE	m3	2.384.030	2.210.344	2.072.268	1.889.438

WATER WITHDRAWAL BY SOURCE IN AREAS OF WATER STRESS (M3/YEAR) - CONCRETE	Unit of measure	2017	2018	2019	2020
FRESH WATER WITHDRAWN BY SURFACE SOURCE INCLUDING WATER FROM WETLANDS, RIVERS, LAKES	m3	-	12.010	-	-
GROUNDWATER	m3	-	193.420	200.183	147.304
RAINWATER WITHDRAWN DIRECTLY BY CEMENTOS ARGOS AND/OR ITS SUBSIDIARIES	m3	-	963	-	-
MUNICIPAL WATER SUPPLY OR FROM OTHER WATER COMPANIES	m3	-	154.794	251.491	260.006
TOTAL WITHDRAWAL AREAS OF WATER STRESS IN THE PRODUCTION OF CONCRETE	m3	-	360.225	451.674	407.310
% WATER WITHDRAWAL IN AREAS OF WATER STRESS IN THE PRODUCTION OF CONCRETE	%	0	16,29	21,79	21,55

AGGREGATES

WATER WITHDRAWAL BY SOURCE IN ALL AREAS - AGGREGATES	Unit of measure	2017	2018	2019	2020
FRESH WATER WITHDRAWN BY SURFACE SOURCE INCLUDING WATER FROM WETLANDS, RIVERS, LAKES	m3	373.311	299.885	230.402	202.216
GROUNDWATER	m3	451	249	399	375
RAINWATER WITHDRAWN DIRECTLY BY CEMENTOS ARGOS AND/OR ITS SUBSIDIARIES	m3	3.293	5.572	15	15
MUNICIPAL WATER SUPPLY OR FROM OTHER WATER COMPANIES	m3	1.643	1.170	1.125	464
TOTAL WITHDRAWAL IN ALL AREAS IN THE PRODUCTION OF AGGREGATES	m3	375.405	301.304	231.926	203.055

WATER WITHDRAWAL BY SOURCE IN AREAS OF WATER STRESS (M3/YEAR) - AGGREGATES	Unit of measure	2017	2018	2019	2020
FRESH WATER WITHDRAWN BY SURFACE SOURCE INCLUDING WATER FROM WETLANDS, RIVERS, LAKES	m3	-	-	-	-
GROUNDWATER	m3	-	-	-	-
RAINWATER WITHDRAWN DIRECTLY BY CEMENTOS ARGOS AND/OR ITS SUBSIDIARIES	m3	-	-	-	-
MUNICIPAL WATER SUPPLY OR FROM OTHER WATER COMPANIES	m3	-	101	-	-
TOTAL WITHDRAWAL AREAS OF WATER STRESS IN THE PRODUCTION OF AGGREGATES	m3	-	101	-	-
% WATER WITHDRAWAL IN AREAS OF WATER STRESS IN THE PRODUCTION OF AGGREGATES	%	0	0,03	0	0

ELECTRICITY GENERATION

WATER WITHDRAWAL BY SOURCE IN ALL AREAS - ELECTRICITY GENERATION	Unit of measure	2017	2018	2019	2020
FRESH WATER WITHDRAWN BY SURFACE SOURCE INCLUDING WATER FROM WETLANDS, RIVERS, LAKES	m3	441.986.405	97.165.248	679.010	556.982
GROUNDWATER	m3	197	-	-	757
RAINWATER WITHDRAWN DIRECTLY BY CEMENTOS ARGOS AND/OR ITS SUBSIDIARIES	m3	-	-	-	-
MUNICIPAL WATER SUPPLY OR FROM OTHER WATER COMPANIES	m3	-	-	-	-
TOTAL WITHDRAWAL IN ALL AREAS IN ELECTRICITY GENERATION	m3	441.986.602	97.165.248	679.010	557.739

WATER WITHDRAWAL BY SOURCE IN AREAS OF WATER STRESS (M3/YEAR) - ELECTRICITY GENERATION	Unit of measure	2017	2018	2019	2020
FRESH WATER WITHDRAWN BY SURFACE SOURCE INCLUDING WATER FROM WETLANDS, RIVERS, LAKES	m3	-	-	-	-
GROUNDWATER	m3	-	-	-	-
RAINWATER WITHDRAWN DIRECTLY BY CEMENTOS ARGOS AND/OR ITS SUBSIDIARIES	m3	-	-	-	-
MUNICIPAL WATER SUPPLY OR FROM OTHER WATER COMPANIES	m3	-	-	-	-
WATER WITHDRAWAL BY SOURCE IN AREAS OF WATER STRESS (M3/YEAR) - ELECTRICITY GENERATION	m3	-	-	-	-
% WATER WITHDRAWAL IN AREAS OF WATER STRESS IN THE ELECTRICITY GENERATION	%	0	0	0	0

COMPANY

WATER WITHDRAWAL BY SOURCE IN ALL AREAS (M3/YEAR) - TOTAL	Unit of measure	2017	2018	2019	2020
FRESH WATER WITHDRAWN BY SURFACE SOURCE INCLUDING WATER FROM WETLANDS, RIVERS, LAKES	m3	445.785.042	101.080.084	4.652.865	3.548.304
GROUNDWATER	m3	6.536.859	4.834.826	6.105.393	5.021.282
RAINWATER WITHDRAWN DIRECTLY BY CEMENTOS ARGOS AND/OR ITS SUBSIDIARIES	m3	100.894	94.774	174.627	98.817
MUNICIPAL WATER SUPPLY OR FROM OTHER WATER COMPANIES	m3	2.190.950	1.806.408	1.679.051	1.488.777
TOTAL WATER WITHDRAWAL IN ALL AREAS	m3	13.736.062	11.458.117	12.437.309	10.058.363

WATER WITHDRAWAL BY SOURCE IN AREAS OF WATER STRESS (M3/YEAR) - TOTAL	Unit of measure	2017	2018	2019	2020
FRESH WATER WITHDRAWN BY SURFACE SOURCE INCLUDING WATER FROM WETLANDS, RIVERS, LAKES	m3	-	12.010	-	-
GROUNDWATER	m3	-	271.735	200.183	147.304
RAINWATER WITHDRAWN DIRECTLY BY CEMENTOS ARGOS AND/OR ITS SUBSIDIARIES	m3	-	35.411	-	-
MUNICIPAL WATER SUPPLY OR FROM OTHER WATER COMPANIES	m3	-	324.837	251.491	260.006
TOTAL WITHDRAWAL AREAS OF WATER STRESS	m3	-	643.993	451.674	407.310
% WATER WITHDRAWL IN AREAS OF WATER STRESS	%	0	5,62	3,63	4,04

STANDARDS, METHODOLOGIES AND ASSUMPTIONS IN THE CALCULATION: All reported data was obtained by direct measurements, calculations based on measurements or, ultimately, by estimates. Water stress was defined by the relationship between total capture of water and the annual availability of accessible water calculated with AQUEDUCT.

GRI [303-3] Water withdrawal by source

WATER RECYCLED AND REUSED (M3/YEAR) - CEMENT	Unit of measure	2017	2018	2019	2020
Water reused and/or recycled for cement	m3	9.373.485	9.654.904	11.307.781	10.636.059
% of reused and/or recycled water for cement	%	96	120	120	144

WATER RECYCLED AND REUSED - CONCRETE	Unit of measure	2017	2018	2019	2020
Water reused and/or recycled for concrete	m3	403.854	356.183	387.738	366.169
% of reused and/or recycled water for concrete	%	17	16	19	19

WATER RECYCLED AND REUSED (M3/YEAR) - ELECTRICITY GENERATION	Unit of measure	2017	2018	2019	2020
Water reused and/or recycled for electricity generation	m3	25.705.741	22.579.554	29.065.608	29.386.186
% of reused and/or recycled water for electricity generation	%	6	23	4281	5269

WATER RECYCLED AND REUSED (M3/YEAR) - TOTAL	Unit of measure	2017	2018	2019	2020
Total water reused and/or recycled	m3	35.825.735	32.940.695	41.387.731	40.400.916
Total % of reused and/or recycled water	%	76	90	99	110

STANDARDS, METHODOLOGIES AND ASSUMPTIONS IN THE CALCULATION: All reported data was obtained by direct measurements, calculations based on measurements or, ultimately, by estimates.

WATER CONSUMPTION IN ALL AREAS (M3/YEAR)	Unit of measure	2017	2018	2019	2020
Water consumption in All Areas (m3) in the production of CEMENT	m3	5.375.868	3.729.233	3.578.111	2.830.992
Water consumption in All Areas (m3) in the production of CONCRETE	m3	2.312.759	2.165.037	2.030.853	1.879.596
Water consumption in All Areas (m3) in the production of AGGREGATES	m3	339.911	280.641	231.595	202.824
Water consumption in All Areas (m3) in the ELECTRICITY GENERATION	m3	1.167.679	897.844	679.010	557.739
Total water consumption in All Areas (m3/year)	m3	9.196.217	7.072.756	6.519.570	5.471.151

WATER CONSUMPTION IN AREAS OF WATER STRESS (M3/YEAR)	Unit of measure	2017	2018	2019	2020
Water consumption in Areas of Water Stress (m3) in the production of CEMENT	m3	-	275.435	-	-
Water consumption in Areas of Water Stress (m3) in the production of CONCRETE	m3	-	357.042	443.154	387.825
Water consumption in Areas of Water Stress (m3) in the production of AGGREGATES	m3	-	101	-	-
Water consumption in Areas of Water Stress (m3) in the ELECTRICITY GENERATION	m3	-	-	-	-
TOTAL WATER CONSUMPTION IN AREAS OF WATER STRESS (M3/YEAR)	m3	-	633	443.154	387.825
% Water consumption in Areas of Water Stress in the production of CEMENT	%	0,00	7,38	0,00	0,00
% Water consumption in Areas of Water Stress in the production of CONCRETE	%	0,00	16,49	21,82	20,63
% Water consumption in Areas of Water Stress in the production of AGGREGATES	%	0,00	0,03	0,00	0,00
% Water consumption in Areas of Water Stress in the ELECTRICITY GENERATION	%	0,00	0,00	0,00	0,00
Total % water consumption in Areas of Water Stress (m3/year)	%	0,00	0,00	6,79	7,09

STANDARDS, METHODOLOGIES AND ASSUMPTIONS IN THE CALCULATION: GRI 303 Standard - Water and Effluents. Water stress was defined by the relationship between total capture of water and the annual availability of accessible renewable water calculated with AQUEDUCT.

[A-A1] Specific water consumption

SPECIFIC WATER CONSUMPTION	Unit of measure	2017	2018	2019	2020
Specific consumption of water in liters per tonne of cement	L/t	413	279	264	235
Specific consumption of water in liters per cubic meter of concrete	L/m3	223	228	215	237
Specific consumption of water in liters per tonne of aggregates	L/t	147	109	100	109

STANDARDS, METHODOLOGIES AND ASSUMPTIONS IN THE CALCULATION: All reported data was obtained by direct measurements, calculations based on measurements or, ultimately, by estimates

GRI [303-4] Water discharge by destination

WATER DISCHARGE - CEMENT

WATER DISCHARGE BY DESTINATION IN ALL AREAS (M3/YEAR) - CEMENT	Unit of measure	2017	2018	2019	2020
Water discharge to surface water	m3	4.254.480	4.021.544	5.731.298	4.419.705
Water discharge to groundwater	m3	188.232	181.956	235.768	198.613
Water discharge to seawater	m3	-	-	-	-
Water discharge to third-party systems	m3	18.814	36.149	50.683	32.885
Water discharge In all Areas in the production of cement	m3	4.461.526	4.239.649	6.017.749	4.651.203

WATER DISCHARGE BY DESTINATION IN AREAS OF WATER STRESS (M3/YEAR) - CEMENT	Unit of measure	2017	2018	2019	2020
Water discharge to surface water	m3	-	-	-	-
Water discharge to groundwater	m3	-	-	-	-
Water discharge to seawater	m3	-	-	-	-
Water discharge to third-party systems	m3	-	-	-	-
Water discharge In Areas of Water Stress in the production of cement	m3	-	-	-	-

QUALITY - WATER DISCHARGE BY DESTINATION - CEMENT	Quality: pH	QUALITY: TTS (T/YEAR)
Water discharge to surface water	ND	0
Water discharge to groundwater	ND	0
Water discharge to seawater	ND	0
Water discharge to third-party systems	ND	0
Water discharge in the production of cement	6,63-11,5	4,77

WATER DISCHARGE - CONCRETE

WATER DISCHARGE BY DESTINATION IN ALL AREAS (M3/YEAR) - CONCRETE	Unit of measure	2017	2018	2019	2020
Water discharge to surface water	m3	104.214	75.487	34.284	1.485
Water discharge to groundwater	m3	1.973	6.072	5.179	2.857
Water discharge to seawater	m3	-	-	-	-
Water discharge to third-party systems	m3	10.104	14.562	34.809	30.237
Water discharge In all Areas in the production of concrete	m3	116.291	96.121	74.272	34.579

WATER DISCHARGE BY DESTINATION IN AREAS OF WATER STRESS (M3/YEAR) - CONCRETE	Unit of measure	2017	2018	2019	2020
Water discharge to surface water	m3	4.202	-	7.479	-
Water discharge to groundwater	m3	-	-	-	-
Water discharge to seawater	m3	-	-	-	-
Water discharge to third-party systems	m3	-	4.146	1.042	19.484
Water discharge In Areas of Water Stress in the production of concrete	m3	4.202	4.146	8.521	19.484

QUALITY - WATER DISCHARGE BY DESTINATION - CONCRETE	Quality: pH	QUALITY: TTS (T/YEAR)
Water discharge to surface water	ND	0
Water discharge to groundwater	ND	0
Water discharge to seawater	ND	0
Water discharge to third-party systems	ND	0
Water discharge in the production of concrete	5-11,7	0,06

WATER DISCHARGE - AGGREGATES

WATER DISCHARGE BY DESTINATION IN ALL AREAS (M3/YEAR) - AGGREGATES	Unit of measure	2017	2018	2019	2020
Water discharge to surface water	m3	38.525	26.111	232	189
Water discharge to groundwater	m3	-	123	114	57
Water discharge to seawater	m3	-	-	-	-
Water discharge to third-party systems	m3	262	-	-	-
Water discharge In all Areas in the production of aggregates	m3	38.787	26.234	346	246

WATER DISCHARGE BY DESTINATION IN AREAS OF WATER STRESS (M3/YEAR) - AGGREGATES	Unit of measure	2017	2018	2019	2020
Water discharge to surface water	m3	0	0	0	0
Water discharge to groundwater	m3	0	0	0	0
Water discharge to seawater	m3	0	0	0	0
Water discharge to third-party systems	m3	0	0	0	0
Water discharge In Areas of Water Stress in the production of aggregates	m3	0	0	0	0

QUALITY - WATER DISCHARGE BY DESTINATION - AGGREGATES	Quality: pH	QUALITY: TTS (T/YEAR)
Water discharge to surface water	ND	0
Water discharge to groundwater	ND	0
Water discharge to seawater	ND	0
Water discharge to third-party systems	ND	0
Water discharge in the production of aggregates	ND	0

WATER DISCHARGE - ELECTRICITY GENERATION

WATER DISCHARGE BY DESTINATION IN ALL AREAS (M3/YEAR) - ELECTRICITY GENERATION	Unit of measure	2017	2018	2019	2020
Water discharge to surface water	m3	21.234	4.202	-	-
Water discharge to groundwater	m3	2.901	-	-	-
Water discharge to seawater	m3	-	-	-	-
Water discharge to third-party systems	m3	-	-	-	-
Water discharge In all Areas in the electricity generation	m3	24.135	4.202	-	-

WATER DISCHARGE BY DESTINATION IN AREAS OF WATER STRESS (M3/YEAR) ELECTRICITY GENERATION	Unit of measure	2017	2018	2019	2020
Water discharge to surface water	m3	0	0	0	0
Water discharge to groundwater	m3	0	0	0	0
Water discharge to seawater	m3	0	0	0	0
Water discharge to third-party systems	m3	0	0	0	0
Water discharge In Areas of Water Stress in the electricity generation	m3	0	0	0	0

QUALITY - WATER DISCHARGE BY DESTINATION - AGGREGATES	Quality: pH	QUALITY: TTS (T/YEAR)
Water discharge to surface water	ND	0
Water discharge to groundwater	ND	0
Water discharge to seawater	ND	0
Water discharge to third-party systems	ND	0
Water discharge in the electricity generation	ND	0

WATER DISCHARGE - TOTAL

WATER DISCHARGE BY DESTINATION IN ALL AREAS (M3/YEAR) - TOTAL	Unit of measure	2017	2018	2019	2020
Water discharge to surface water	m3	4.418.453	4.127.344	5.765.814	4.421.379
Water discharge to groundwater	m3	193.107	188.151	241.061	201.527
Water discharge to seawater	m3	-	-	-	-
Water discharge to third-party systems	m3	29.180	50.712	85.492	63.122
TOTAL water discharge In all Areas of the company	m3	4.640.740	4.366.207	6.092.367	4.686.028

WATER DISCHARGE BY DESTINATION IN AREAS OF WATER STRESS (M3/YEAR) - TOTAL	Unit of measure	2017	2018	2019	2020
Water discharge to surface water	m3	-	-	-	-
Water discharge to groundwater	m3	-	2.501	-	-
Water discharge to seawater	m3	-	-	-	-
Water discharge to third-party systems	m3	4.202	8.914	1.042	19.484
TOTAL water discharge In Areas of Water Stress of the company	m3	-	11.416	1.042	19.484

QUALITY - WATER DISCHARGE BY DESTINATION - TOTAL	Quality: pH	QUALITY: TTS (T/YEAR)
Water discharge to surface water	ND	0
Water discharge to groundwater	ND	0
Water discharge to seawater	ND	0
Water discharge to third-party systems	ND	0
Water discharge in the company	5-11,7	5

DESCRIPTION OF THE PROCEDURE USED TO ESTIMATE THE DISCHARGE

Estimated based on the mean flow of the effluent (L / s) (normally obtained from the characterization of the discharge), the duration of the activity generated by the effluent (h / d). Likewise, in some operations the discharge is obtained from the collection of water for domestic use and is multiplied by a consumption factor of 80%. Water stress was defined by the relationship between the total water catchment and the annual availability of available water calculated with AQUEDUCT.

DESCRIPTION OF THE PROCEDURE USED TO CHOOSE THE REPORTED QUALITY PARAMETERS AND SET DISCHARGE LIMITS FOR THESE PARAMETERS GCCA (Global Cement & Concrete Association) water reporting protocol for cement, aggregate and concrete plant operations. Water stress was defined by the relationship between the total water catchment and the annual availability of available water calculated with AQUEDUCT.