

# SD Data

## Economic Performance

SD Index - Economic Performance			
	2020*	2019	2018
<b>Sales (in million baht)</b>			
Net sales	42,000	47,593	44,764
Input factor (cost of all goods, materials and services)	27,464	33,380	31,089
Depreciation and amortisation	3,925	3,330	3,268
<b>Value Creation (in million baht)</b>			
Benefit to employees	4,455	5,668	5,066
Benefit to government (taxes)	756	698	569
Benefit to shareholders	1,192	2,384	2,384
Benefit to creditors	1,374	1,459	1,350
Retained in business	2,833	674	1,037
<b>Suppliers (%)</b>			
Suppliers screened (OH&S, labour standards, legal compliance, environmental standards, as percentage of spending)	75	75	99
<b>Government Relations (in million baht)</b>			
Political contributions	0	0	0
Government subsidies received	0	0	0
<b>Customer Relations</b>			
Customer satisfaction surveys conducted	YES	YES	YES

\* 2020 SD data started its reporting as a Group Company (exclude joint venture)

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## Environmental Performance

SD Index - Environmental Performance			
	2020*	2019	2018
<b>Materials Used</b>			
Limestone (%)	76.9	77.1	81.3
Shale (%)	7.8	9.6	17.3
Additives (%)	11.1	9.9	0.7
Alternative raw materials (%)	4.2	3.4	0.7
<b>Environmental Investments and Compliance</b>			
Total environmental protection expenditures and investments (million baht)	39.1	60.8	28.2
Non-compliance cases	3	2	0
Associated fines and penalties (million baht)	0.45	0.72	0
<b>Energy</b>			
Fuel consumption (MJ/ton clinker)	3,241	3,172	3,075.8
Electricity consumption (kWh/ton cement)	87.0	70.3	94.2
Alternative fuel thermal substitution rate (%)	11.3	14.1	10.6
<b>CO<sub>2</sub> Emissions</b>			
Net CO <sub>2</sub> Emissions (kg CO <sub>2</sub> /ton cementitious material)	619	621	695.4
Clinker factor (%)	73.4	74.3	81.2
<b>Other Atmospheric Emissions</b>			
NOx (grams/ton cementitious material)	863.5	865.6	599.5
SO <sub>2</sub> (grams/ton cementitious material)	36.6	73.3	55.0
Dust (grams/ton cementitious material)	38.1	70.7	49.8
<b>Water</b>			
Water withdrawn from wells and rainwater collected for cement production (m <sup>3</sup> )	5,577,412	5,869,512	1,918,765
Water recycled or reused (%)	31.3	69.1	77

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## Social Performance

SD Index - Social Performance			
	2020*	2019	2018
<b>Employee Practices</b>			
<b>Number of employees</b>	4,734	5,711	3,621
<b>Proportion of employees by level (%)</b>			
• Top & senior management	6.02	5.52	4
• Middle level management	38.14	44.35	42
• Other employees	55.85	50.32	55
<b>Portion of female employees by level (%)</b>			
• Top & senior management	19.80	8.23	19
• Middle level management	17.12	19.80	37
• Other employees	7.57	17.63	10
<b>Ratio of female to male salary</b>			
• Top & senior management	2.43	0.48	0.82
• Middle level management	2.76	0.70	0.93
• Other employees	2.87	0.72	0.95
<b>Portion of local employees (%)</b>			
	60.42	98.76	99.50
Employee turnover (%)	15.90	10.04	8.92
Employee satisfaction survey conducted	-	-	-
<b>Training</b>			
Average hours of training per employee	22.17	32.29	26.84
<b>Occupational Health and Safety</b>			
Number of fatalities (employees, contractors and third-party)	3	3	0
Lost time injury frequency rate (employees and contractors per million man-hours)	0.38	0.48	0.25
<b>Community Involvement</b>			
Donations, CSR and Community Spending (million baht)	36.7	27.7	15.5
<b>Stakeholder Engagement</b>			
Needs assessments	YES	YES	YES
Stakeholder Engagement in CSR planning	YES	YES	YES
Stakeholder dialogues	YES	YES	YES
Community advisory panels	YES	YES	YES

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# Key Performance Indicators

## Global Cement and Concrete Association (GCCA)



Key Performance Indicators of the GCCA			
Key KPIs	2020	2019	2018
<b>Climate protection</b>			
Total CO <sub>2</sub> emissions - gross (million tons)	10.90	12.04	9.77
Total CO <sub>2</sub> emissions - net (million tons)	10.61	11.62	9.47
Specific CO <sub>2</sub> emissions - gross (kg / ton cementitious material)	636	643	717.6
Specific CO <sub>2</sub> emissions - net (kg / ton cementitious material)	619	621	695.4
<b>Responsible use of fuels and raw materials</b>			
Specific heat consumption of clinker production (MJ / ton clinker)	3,241.0	3,172.0	3,075.80
Alternative fuel thermal substitution rate (%)	11.3	14.1	10.57
• Alternative fuel rate (%)	8.6	12.7	10.24
• Biomass fuel rate (%)	2.7	1.4	0.33
Alternative raw materials rate (%)	5.7	1.0	0.64
Clinker / cement ratio (%)	73.4	74.3	81.2
<b>Safety</b>			
Fatality rate, directly employed	0	0	0
Number of fatalities (directly employed, contractors/ sub-contractors, third parties)	2	3	0
LTI frequency rate, directly employed	0	0.9	0
LTI frequency rate, contractors and sub-contractors (onsite)	0.44	0.85	0
LTI severity rate, directly employed	0	14.9	0
<b>Emissions reductions</b>			
Overall coverage rate : percentage (%) of clinker produced with monitoring of all pollutants mentioned in the emissions guidelines	100	98.8	100
Coverage rate continuous measurement : percentage (%) of clinker produced with continuous monitoring of main pollutants, dust, NOx, SO <sub>2</sub>	100	100	100
Dust - coverage rate (%)	100	100	100
NOx - coverage rate (%)	100	100	100
SO <sub>2</sub> - coverage rate (%)	100	100	100
Dust - specific emissions (grams / ton clinker)	38.1	70.7	57.9
NOx - specific emissions (grams / ton clinker)	863.5	865.6	696.8
SO <sub>2</sub> - specific emissions (grams / ton clinker)	36.6	73.3	63.9
<b>Local impacts on land and communities</b>			
Percentage (%) of sites with community engagement plans in place	100	100	100
Percentage (%) of sites with quarry rehabilitation plans in place	100	100	100

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