

**> CARBON**  
Climate change and energy



Kilograms of CO <sub>2e</sub> per tonne of production scope 1 and 2						
Business line	2010 (baseline)	2017	2018	2019	% change since 2010	% change since 2017
Hanson cement*	353.85	461.66	456.79	462.69	30.76%	1.29%
Irvine-Whitlock	na	na	na	na	na	na
Hanson aggregates	4.91	4.47	4.16	4.01	-18.5%	-3.7%
Hanson concrete	0.77	0.61	0.55	0.52	-32.9%	-4.7%
Smiths Concrete	na	1.56	1.41	1.26	na	-11.0%
Hanson asphalt and constructing	28.76	27.94	27.15	26.39	-8.2%	-2.8%
Corporate and other	na	56.51	54.19	40.21	na	-25.8%
Midland Quarry Products	na	9.86	9.03	9.00	na	-0.4%
<b>Hanson UK</b>	<b>44.80</b>	<b>47.23</b>	<b>48.35</b>	<b>49.21</b>	<b>9.8%</b>	<b>1.8%</b>

\*Hanson cement includes cement, Regen and packed products.

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Tonnes of CO <sub>2e</sub> from production scope 1 and 2						
Business line	2010 (baseline)	2017	2018	2019	% change since 2010	% change since 2018
Hanson cement*	1,540,879	1,781,901	1,863,930	1,868,733	21.28%	0.26%
Irvine-Whitlock	69	35	31	26	-61.8%	-15.2%
Hanson aggregates	116,897	102,394	95,935	93,891	-19.7%	-2.1%
Hanson concrete	6,189	5,153	4,509	3,818	-38.3%	-15.3%
Smiths Concrete	na	837	770	609	na	-20.9%
Hanson asphalt and contracting	85,078	70,325	75,910	73,917	-13.1%	-2.6%
Corporate and distribution	2,183	5,151	4,622	3,744	71.5%	-19.0%
Midland Quarry Products	na	41,372	38,702	36,975	na	-4.5%
<b>Hanson UK</b>	<b>1,751,295</b>	<b>2,007,167</b>	<b>2,084,408</b>	<b>2,081,712</b>	<b>18.9%</b>	<b>-0.1%</b>

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