

# Carbon

## Climate change and energy

Material transported and CO <sub>2</sub> emissions																	
Business line		2010 (baseline)				2012				2013				2014			
		Tonnes moved	Total distance in km	kg CO <sub>2</sub> per tonne*	tonnes CO <sub>2</sub> per year	Tonnes moved	Total distance in km	kg CO <sub>2</sub> per tonne*	tonnes CO <sub>2</sub> per year	Tonnes moved	Total distance in km	kg CO <sub>2</sub> per tonne*	tonnes CO <sub>2</sub> per year	Tonnes moved	Total distance in km	kg CO <sub>2</sub> per tonne*	tonnes CO <sub>2</sub> per year
Hanson Cement	Road	3,228,834	26,539,766	7.82	25,248	3,154,637	24,937,224	7.31	23,046	3,297,887	29,420,314	8.08	26,631	3,781,628	31,360,229	7.34	27,747
	Rail	325,246	193,286	8.27	2,690	322,313	175,048	9.45	3,045	351,210	174,544	7.03	2,468	449,516	118,857	3.49	1,570
	Water	185,487	45,949	14.57	2,702	129,691	38,453	17.43	2,261	127,535	17,508	15.04	1,918	135,735	18,120	15.12	2,052
Building Products	Road	1,973,867	17,730,937	8.33	16,446	2,206,965	19,110,210	8.03	17,728	2,271,942	18,457,962	7.63	17,330	2,300,565	20,116,717	8.21	18,891
Aggregates	Road	13,381,748	56,289,240	4.09	54,789	9,138,726	39,044,885	4.07	37,234	9,799,931	44,016,708	4.31	42,260	9,921,357	44,185,371	4.28	42,422
	Rail	2,010,990	408,724	4.85	9,761	2,119,561	667,961	4.72	10,012	2,289,889	788,552	4.83	11,064	2,749,530	873,878	4.72	12,977
	Water	200,580	16,810	1.56	313	218,482	15,761	0.93	204	223,830	16,668	0.80	180	0	0	0	0
Concrete	Road	7,601,327	13,353,067	1.71	12,997	7,284,987	14,010,862	1.83	13,361	8,332,944	14,368,850	1.66	13,795	8,519,714	14,129,150	1.59	13,565
Asphalt	Road	2,595,090	14,830,439	5.56	14,435	1,994,838	9,504,443	4.54	9,064	1,931,737	9,990,297	4.97	9,592	2,094,386	10,360,475	4.75	9,947
Hanson UK	Totals	31,503,169	129,408,218	4.42	139,380	26,570,201	107,504,846	4.36	115,956	28,626,905	117,251,403	4.37	125,236	29,952,430	121,162,796	4.31	129,171

\* per tonnes delivered

**Our vision:** To be recognised as a leading force in the delivery of a low carbon built environment.

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Cement	3,739,567	26,779,001	7.16	8.19	30,640	3,606,641	25,150,725	6.97	7.86	28,353	3,776,632	29,612,366	7.84	8.21	31,016	4,366,879	31,497,205	7.21	7.18	31,369
Building Products	1,973,867	17,730,937	8.98	8.33	16,446	2,206,965	19,110,210	8.66	8.03	17,728	2,271,942	18,457,962	8.12	7.63	17,330	2,300,565	20,116,717	8.74	8.21	18,891
Aggregates	15,593,318	56,714,774	3.64	4.16	64,862	11,476,769	39,728,607	3.46	4.13	47,450	12,313,650	44,821,928	3.64	4.35	53,503	12,670,887	45,059,249	3.56	4.37	55,399
Concrete	7,601,327	13,353,067	1.76	1.71	12,997	7,284,987	14,010,862	1.92	1.83	13,361	8,332,944	14,368,850	1.72	1.66	13,795	8,519,714	14,129,150	1.66	1.59	13,565
Asphalt	2,595,090	14,830,439	5.71	5.56	14,435	1,994,838	9,504,443	4.76	4.54	9,064	1,931,737	9,990,297	5.17	4.97	9,592	2,094,386	10,360,475	4.95	4.75	9,947
Hanson UK	31,503,169	129,408,218	4.11	4.42	139,380	26,570,201	107,504,846	4.05	4.36	115,956	28,626,905	117,251,403	4.10	4.37	125,236	29,952,430	121,162,796	4.05	4.31	129,171

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