

Calculation Design Stage	GIFA (m2)	Storeys (#)	Project Value (€m)	Value Type	Project Sector	Type	Basement?	Foundation Type	Ground Floor Type	Superstructure Type	Cladding Type	Passivehaus?	Carbon A1-A3 (kgCO2e/m2)	A1-A3 Rate (kgCO2e/m2)	Carbon A1-A5 (kgCO2e)	A1-A5 Rate (kgCO2e/m2)	Carbon A1-C4 (kgCO2e)	A1-C4 Rate (kgCO2e/m2)	Carbon A1-D (kgCO2e)	A1-D Rate (kgCO2e/m2)
As-Built	4631	3	17	Whole Building	Other	New Build (Brownfield)	None	Piled Ground Beams	Suspended RC	In-Situ RC	Masonry & SFS	No	1157253.4	249.9	1385075.2	299.1	1471673.6	317.8	1286220.8	277.7
Stage 5	4640	7	10	Whole Building	Residential	New Build (Brownfield)	None	Mass Pads/Strips	Suspended RC	CLT/Glulam Frame	Lightweight Only	No	806428.8	173.8	1017730.4	219.3	1146340.8	247.1	918838.5	198.0
As-Built	742	2	3.7	Structure Only	Cultural	Mixed New Build/Refurb	None	Reinforced Pads/Strips	Ground Bearing RC	Steel Frame (Precast)	Masonry & SFS	No	130560.5	176.0	172901.6	233.0	190979.5	257.4	168835.1	227.5
As-Built	1534	2	9	Whole Building	Residential	New Build (Greenfield)	Partial Footprint	Raft	Suspended RC	Masonry & Concrete	Masonry & Stone	No	448388.1	292.3	593057.5	386.6	633900.2	413.2	570189.5	372.1
Stage 5	7284	6	6.5	Whole Building	Residential	New Build (Brownfield)	None	Mass Pads/Strips	Ground Bearing RC	In-Situ RC	Masonry & SFS	No	1942032.5	266.6	2170185.9	297.9	2296480.5	315.3	1839733.6	252.6
As-Built	4180	5	18	Structure Only	Education	New Build (Greenfield)	Partial Footprint	Piles (Pile Caps)	Suspended RC	In-Situ RC	Stone & SFS	No	1364480.3	326.4	1627016.7	389.2	1742309.7	416.8	1485903.8	355.5
Stage 4	15145	10	15	Whole Building	Residential	New Build (Brownfield)	None	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry & SFS	No	3755929.1	248.0	4223786.6	278.9	4525985.3	298.8	3820359.3	252.3
As-Built	4500	6	8	Whole Building	Residential	New Build (Brownfield)	None	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry & SFS	No	896498.0	199.2	1034664.4	229.9	1097754.6	243.9	946097.5	210.2
As-Built	3900	6	8	Whole Building	Residential	New Build (Brownfield)	None	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry & SFS	Yes	1013154.3	259.8	1162904.0	298.2	1231812.9	315.8	1071999.9	274.9
As-Built	1724	2	5	Structure Only	Education	New Build (Brownfield)	None	Piled Ground Beams	Suspended RC	Steel Frame (Composite)	Masonry & SFS	No	527502.1	306.0	601674.5	349.0	627406.1	363.9	499793.8	289.9
As-Built	2772	3	21	Structure Only	Commercial	New Build (Brownfield)	None	Piles (Pile Caps)	Suspended RC	Steel Frame (Composite)	Glazed/Curtain Wall	No	1029320.9	371.3	1248227.5	450.3	1075020.8	467.3	1075020.8	387.8
Stage 5	904	1	7	Whole Building	Education	New Build (Greenfield)	None	Piled Ground Beams	Suspended Precast	Steel Frame (Other)	Masonry & Stone	No	341779.6	348.2	408290.6	451.6	437627.7	483.1	389260.2	430.6
As-Built	1050	1	4.15	Whole Building	Cultural	New Build (Greenfield)	None	Mass Pads/Strips	Ground Bearing RC	Masonry & Timber	Masonry Only	No	292796.1	278.9	392556.0	373.9	436619.7	415.8	418364.7	398.4
As-Built	1555	4	5	Structure Only	Education	New Build (Brownfield)	Partial Footprint	Piled Ground Beams	Suspended RC	CLT/Glulam Frame	Masonry Only	Yes	336443.4	216.4	455463.3	292.9	530445.8	341.1	413500.9	265.9
Stage 5	8118	4	26	Whole Building	Education	New Build (Brownfield)	Partial Footprint	Piles (Pile Caps)	Suspended RC	In-Situ RC	Lightweight Only	No	2573872.2	317.1	3003525.9	370.0	3157874.9	393.8	2681026.6	330.3
As-Built	1874	2	11	Structure Only	Education	New Build (Brownfield)	None	Mass Pads/Strips	Ground Bearing RC	CLT/Glulam Frame	Masonry Only	No	519510.6	277.2	679086.1	362.4	751696.7	401.1	602284.0	321.4
As-Built	1305	5	3.5	Structure Only	Residential	New Build (Brownfield)	None	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry Only	No	174968.3	134.1	218201.8	167.2	237382.4	181.9	234715.5	179.9
As-Built	2349	9	11	Structure Only	Education	New Build (Brownfield)	Full Footprint	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry & SFS	No	1600862.1	681.5	1817888.4	773.9	1905322.9	811.1	1512920.3	644.1
As-Built	7755	3	20	Structure Only	Education	New Build (Brownfield)	None	Piles (Pile Caps)	Suspended RC	Steel Frame (Precast)	Masonry & SFS	No	1447848.9	186.7	1702792.6	219.6	1802082.8	232.4	1550280.8	199.9
As-Built	2100	1	8.5	Structure Only	Education	New Build (Brownfield)	None	Piles (Pile Caps)	Suspended RC	Steel Frame (Other)	Masonry Only	No	456423.6	217.3	553944.9	263.8	579965.6	276.2	464254.5	221.1
As-Built	15985	2	29	Structure Only	Education	New Build (Brownfield)	None	Mass Pads/Strips	Ground Bearing RC	Steel Frame (Composite)	Masonry & SFS	No	3589919.8	224.6	4027263.6	251.9	4259750.3	266.5	3653153.8	228.5
Stage 3	3932	4	10	Whole Building	Residential	New Build (Brownfield)	None	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry & SFS	No	1520358.2	386.7	1720569.3	437.6	1760209.0	456.8	1446887.8	368.0
Stage 5	3460	2	15	Whole Building	Education	New Build (Brownfield)	None	Piled Ground Beams	Suspended RC	CLT/Glulam Frame	Masonry Only	No	919443.0	265.7	1166495.1	337.1	1285959.3	371.7	1051941.6	304.0
Stage 5	11500	8	27	Structure Only	Mixed-Use	New Build (Brownfield)	None	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry & SFS	No	2699637.2	234.8	3135267.5	272.6	3315426.8	288.3	2866200.4	249.2
Stage 5	9483	10	27	Structure Only	Mixed-Use	New Build (Brownfield)	None	Piles (Pile Caps)	Ground Bearing RC	In-Situ RC	Other	No	2523912.6	266.2	2947705.7	310.8	3217034.9	329.1	2740664.6	289.0
As-Built	31774	19	90	Structure Only	Residential	New Build (Brownfield)	Full Footprint	Piles (Pile Caps)	Suspended RC	In-Situ RC	Stone & SFS	No	9026920.4	284.1	10468546.5	329.5	11032378.6	347.2	9775630.4	307.7
Stage 5	2276	7	7	Whole Building	Mixed-Use	New Build (Brownfield)	Full Footprint	Raft	Raft	Other	Masonry & Stone	No	568245.6	249.7	689116.3	302.8	743565.9	326.7	606226.7	266.4
As-Built	220	1	0.75	Structure Only	Education	New Build (Brownfield)	None	Piled Ground Beams	Suspended RC	Masonry & Timber	Masonry Only	No	59630.5	271.0	74213.5	337.3	79664.4	362.1	70996.6	319.5
As-Built	1311	2	3.3	Structure Only	Education	Mixed New Build/Refurb	None	Mass Pads/Strips	Suspended RC	Steel Frame (Composite)	Glazed/Curtain Wall	No	295215.0	225.2	346573.4	264.4	378501.2	288.7	342208.3	261.0
Stage 5	11736	4	36	Structure Only	Education	New Build (Brownfield)	None	Piles (Pile Caps)	Suspended RC	Steel Frame (Composite)	Masonry & SFS	No	3611919.5	307.8	4119487.7	351.0	4281027.0	364.8	3550950.9	302.6
As-Built	7922	7	40	Structure Only	Commercial	New Build (Brownfield)	Full Footprint	Raft	Suspended RC	In-Situ RC	Masonry & Stone	No	2002909.3	252.8	2473460.6	312.2	2585449.8	326.4	2220745.1	280.3
As-Built	544	3	2	Structure Only	Residential	New Build (Brownfield)	None	Piled Ground Beams	Suspended Precast	Masonry & Timber	Masonry Only	No	86528.6	159.1	112208.6	222.8	130682.9	240.2	110390.5	202.9
As-Built	5620	2	23	Structure Only	Cultural	New Build (Brownfield)	Full Footprint	Piles (Pile Caps)	Suspended RC	CLT/Glulam Frame	Other	No	1782961.6	317.3	2185136.6	388.8	2393180.4	425.8	1952865.4	347.5
As-Built	1712	6	8	Structure Only	Commercial	New Build (Brownfield)	Full Footprint	Piled Ground Beams	Suspended RC	In-Situ RC	Stone & SFS	No	720473.2	420.8	844604.2	493.3	894621.8	523.6	750701.8	438.5
As-Built	37115	17	100	Structure Only	Residential	New Build (Brownfield)	Full Footprint	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry & SFS	No	10286594.6	277.2	11895909.7	320.5	12547026.8	338.1	10834585.9	291.9
Stage 5	14029	24	55	Whole Building	Mixed-Use	New Build (Brownfield)	None	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry & SFS	No	4234325.5	301.8	5011752.5	357.2	5263011.7	375.2	4340344.6	309.4
As-Built	2139	3	7.7	Whole Building	Education	New Build (Brownfield)	None	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry & Stone	No	618035.7	288.9	730745.0	341.6	776605.8	363.1	637232.1	297.9
As-Built	1730	5	11.9	Whole Building	Education	New Build (Brownfield)	Full Footprint	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry & Stone	No	802229.3	463.7	957227.5	553.3	1012124.6	585.0	858373.8	496.2
As-Built	1360	3	3.8	Structure Only	Residential	New Build (Brownfield)	None	Piles (Pile Caps)	Suspended RC	In-Situ RC	Other	No	519842.2	382.2	591381.7	434.8	619943.5	455.8	515104.7	378.8
As-Built	1154	4	5	Structure Only	Residential	New Build (Brownfield)	Full Footprint	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry Only	No	566165.4	490.6	665079.2	576.3	699171.0	605.9	601006.7	520.8
As-Built	862	3	4.5	Structure Only	Residential	New Build (Brownfield)	None	Piled Ground Beams	Suspended RC	Masonry & Concrete	Masonry & Stone	No	207428.1	240.6	258091.1	299.4	273562.5	317.4	235360.9	273.0
As-Built	3499	6	6	Structure Only	Cultural	New Build (Greenfield)	Partial Footprint	Piled Ground Beams	Suspended Precast	Steel Frame (Precast)	Masonry Only	No	781242.6	223.3	877649.4	250.8	921297.1	263.3	773300.5	221.0
Stage 5	10108	4	38	Whole Building	Residential	New Build (Brownfield)	Full Footprint	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry & SFS	No	3669181.3	363.0	4278950.7	423.3	4534091.9	448.6	3757473.8	371.7
As-Built	9862	3	24	Structure Only	Education	New Build (Brownfield)	None	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry Only	No	3028167.9	307.1	3541707.5	359.1	3722965.5	377.5	3276063.6	332.2
As-Built	1290	3	5	Structure Only	Education	New Build (Brownfield)	None	Piled Ground Beams	Suspended RC	Steel Frame (Precast)	Masonry & SFS	No	493056.9	382.2	56528.2	436.1	587846.6	455.7	501383.6	388.7
As-Built	5428	3	12	Whole Building	Education	New Build (Greenfield)	None	Mass Pads/Strips	Ground Bearing RC	Steel Frame (Composite)	Lightweight Only	No	884959.0	163.0	1034124.5	190.5	1100287.6	202.7	927133.6	170.8
Stage 5	125	4	1	Structure Only	Residential	New Build (Brownfield)	None	Piled Ground Beams	Suspended RC	Steel Frame (Composite)	Masonry & SFS	No	34594.7	276.8	44082.7	352.7	45883.5	367.1	38414.0	307.3
As-Built	19512	6	40	Structure Only	Residential	New Build (Greenfield)	Full Footprint	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry & SFS	No	5318036.4	272.6	6088715.3	312.0	6440308.1	330.1	5641016.1	289.1
As-Built	2395	5	6	Structure Only	Residential	New Build (Brownfield)	Partial Footprint	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry & SFS	No	671815.2	280.5	778669.1	325.1	832388.0	347.6	709843.2	296.4
As-Built	10220	4	38	Structure Only	Education	New Build (Brownfield)	None	Reinforced Pads/Strips	Ground Bearing RC	CLT/Glulam Frame	Timber & SFS	Yes	2725370.6	266.7	3413636.6	334.0	3779817.6	369.8	3061810.0	299.6
As-Built	5500	9	23.5	Structure Only	Other	New Build (Greenfield)	None	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry Only	No	2544810.6	462.7	2931366.2	533.0	3072580.1	558.7	2424429.8	440.8
As-Built	1729	3	6.5	Structure Only	Cultural	New Build (Brownfield)	Partial Footprint	Piles (Pile Caps)	Ground Bearing RC	Steel Frame (Precast)	Masonry & SFS	No	743203.5	429.8	833718.8	482.2	866192.7	501.0	714301.2	413.1
As-Built	2054	3	7	Structure Only	Education	New Build (Brownfield)	None	Piles (Pile Caps)	Suspended RC	Steel Frame (Precast)	Masonry & SFS	No	298115.4	145.1	376331.8	183.2	405290.6	197.3	348544.2	169.7
As-Built	1210	3	4	Structure Only	Residential	New Build (Greenfield)	None	Raft	Raft	In-Situ RC	Timber Only	Yes	341539.0	282.3	403755.1	333.7	422707.3	349.3	338651.4	279.9
Stage 5	2769	3	10.8	Structure Only	Education	New Build (Brownfield)	None	Mass Pads/Strips	Suspended RC	CLT/Glulam Frame	Other	No	592980.7	214.1	767946.4	277.3	858938.2	310.2	746725.5	269.7
As-Built	3600	3	9.5	Structure Only	Education	New Build (Brownfield)	None	Raft	Raft	In-Situ RC	Masonry & SFS	No	908467.1	252.4	1062322.7	295.1	1128939.8	313.6	932539.7	259.0
As-Built	763	3	4.7	Structure Only	Education	New Build (Greenfield)	None	Piles (Pile Caps)	Suspended RC	In-Situ RC	Glazed/Curtain Wall	No	295610.1	387.4	353303.3	463.0	367486.0	481.6	296605.1	388.7
As-Built	2400	3	7.3	Structure Only	Education	New Build (Greenfield)	None	Piled Ground Beams	Suspended RC	Masonry & Concrete	Masonry & SFS	No	377550.3	157.3	490267.4	204.3	522534.4	217.7	477052.9	198.8
Stage 4	810	4	4.5	Whole Building	Residential	Mixed New Build/Refurb	Full Footprint	Piles (Pile Caps)	Suspended RC	In-Situ RC	Masonry Only	No	256780.5	317.0	311456.0	384.5	327851.2	404.8	279740.3	345.4
As-Built	648	2	6	Structure Only	Residential	New Build (Brownfield)	None	Piled Ground Beams	Suspended Precast	Masonry & Timber	Masonry & Stone	No	190991.3	294.7	277583.3	428.4	296851.3	458.1	266699.5	411.6
As-Built	500	2	1.5	Structure Only	Mixed-Use	New Build (Greenfield)	None	Piles (Pile Caps)	Suspended RC	In-Situ RC	Glazed/Curtain Wall	No	291603.1	583.2	325705.4					