



Blue Flag Post-Improvement Assessment Results

Alba Building Sciences

										POST-IMPROVEMENT RESULTS																				
Code	Location	Total Floor area	Age (yrs)	Main Heating fuel	Heating type	Heating category	Location used for model	U-values (W/m2K)				Inf. rate AC/h	Predicted energy consumption (kWh/yr)						Predicted CO2 emissions (tCO2/yr)					kgCO2/m2	code	Predicted fuel bill (£/yr)	£/m2	Space Heating kWh/m2		
								Wall	Roof	Floor	Glazing		App.	Refrig.	Lighting	Space heating	Hot water	TOTAL	kWh/m2	App.	Refrig.	Lighting	Space heating						Hot water	TOTAL
AP 31	South West	31.7	25	LPG Gas	Bottles 47kg	Bottled LPG	Cardiff	0.351	0.962	0.454	3.925	0.52	1292	328	524	3273	1607	7024.06	221.9	0.6	0.2	0.3	0.9	0.4	2.277	71.9	AP 31	649.50	20.52	103.42
AP 32	South West	59.9	6	LPG Gas	Tank	Bulk LPG	Cardiff	0.204	0.291	0.35	2.75	0.31	1039	328	938	2429	1395	6129.021	102.4	0.5	0.2	0.5	0.6	0.3	2.064	34.5	AP 32	469.40	7.84	40.57
AP33	South West	60.3	32	LPG Gas	Bottles 47kg	Bottled LPG	Cardiff	0.329	0.763	0.246	2.75	0.56	1131	681	922	5706	1713	10152.43	168.3	0.5	0.4	0.5	1.4	0.4	3.166	52.5	AP33	924.40	15.32	94.58
AP 34	South West	48.1	36	LPG Gas	Bottles 47kg	Bottled LPG	Cardiff	0.322	0.302	0.325	3.370805	0.42	1706	681	834	2439	1677	7337.175	152.6	0.7	0.4	0.4	0.6	0.4	2.470	51.4	AP 34	688.90	14.33	50.74
AP 35	South West	40.7	21	LPG Gas	Tank	Bulk LPG	Cardiff	0.311	0.513	0.362	3.925	0.47	963	328	609	4419	2642	8961.522	220.1	0.4	0.2	0.3	1.2	0.6	2.717	66.7	AP 35	623.10	15.31	108.55
AP 36	South West	70.0	21	LPG Gas	Tank	Bulk LPG	Cardiff	0.294	0.212	0.319	2.75	0.36	1428	328	992	3408	3273	9428.855	134.7	0.5	0.2	0.5	0.8	0.8	2.854	40.8	AP 36	654.58	9.35	48.69
AP 37	South West	80.2	30	LPG Gas	Bottles 47kg	Bottled LPG	Cardiff	0.301	0.233	0.388	3.1	0.38	1927	460	1146	4162	3911	11605.61	144.8	0.8	0.2	0.6	1.1	1.0	3.719	46.4	AP 37	1068.20	13.33	51.92
AP 38	South West	34.5	19	LPG Gas	Bottles 47kg	Bottled LPG	Cardiff	0.255	0.307	0.333	5.1	0.29	1276	328	539	2155	1460	5758.46	166.8	0.5	0.2	0.3	0.5	0.4	1.875	54.3	AP 38	533.40	15.45	62.42
AP 39	South West	47.1	26	Electric	Storage radi	Electric storage	Cardiff	0.373	0.276	0.34	2.75	0.41	1260	681	753	2217	1113	6023.716	128.0	0.6	0.4	0.4	1.1	0.6	3.026	64.3	AP 39	569.10	12.09	47.11
AP 40	South West	63.1	22	Gas	Mains	Mains gas	Cardiff	0.228	0.207	0.222	2.75	0.39	2150	328	948	2195	1896	7517.496	119.2	0.9	0.2	0.5	0.4	0.4	2.343	37.1	AP 40	456.50	7.24	34.80