

5 Holmesdale Brundall

		m2	(W/m2K)	Loss per d€ Notes (W/K)
Existing				
Target u values per element	Ground Floor	71.9	0.67	48.17
	Ground Floor Extension	46.5	0.15	6.98
	Wall	59.66	2.13	127.08
	Window WD01	2.5	4	10.00
	Door DR01	3.2	4	12.80
	Window WD02	2.5	4	10.00
	Window WD03	0.54	4	2.16
	Window WD07	0.84	4	3.36
	Roof	71.9	0.33	23.73
	Ground Floor	46.5	0.15	6.98
	Wall	44.38	0.25	11.10
	Window WD08	0.6	1.6	0.96
	Window WD10	0.51	1.6	0.82
	Window Dr13	8.2	1.6	13.12
	Window Dr11	6.5	1.6	10.40
	Window WD9	0.51	1.6	0.82
	Roof	27.5	0.14	3.85
	Roof	16.5	0.13	2.15
	Roof Lights	2	2.2	4.40
	<b>Total</b>	<b>412.74</b>		<b>298.85</b>
	U- Average	<u>total rate of heat loss per degree</u> total external surface area		
	U- Average	<u>298.85</u> 412.74		
	<b>U- Average</b>	<b>0.724</b>		

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5 Holmesdale Brundall  
Building Control Compliance

		m2	(W/m2K)	Loss per d€ Notes (W/K)
Proposed				
Target u values per element	Ground Floor	71.9	0.67	48.17
	Ground Floor Extension	46.5	0.15	6.98
	Wall	59.66	2.13	127.08
	Window WD01	2.5	4	10.00
	Door DR01	3.2	4	12.80
	Window WD02	2.5	4	10.00
	Window WD03	0.54	4	2.16
	Window WD07	0.84	4	3.36
	Roof	37.86	0.15	5.68
	Roof Lights	2	2.2	4.40
	Roof	27.4	0.15	4.11
	Window Wd12	1.72	1.4	2.41
	Window Wd13	1.2	1.4	1.68
	Window Wd14	1.72	1.4	2.41
	Ground Floor	46.5	0.15	6.98
	Wall	44.38	0.25	11.10

Window WD08	0.6	1.6	0.96
Window WD10	0.51	1.6	0.82
Window Dr13	8.2	1.6	13.12
Window Dr11	6.5	1.6	10.40
Window WD9	0.51	1.6	0.82
Roof	27.5	0.14	3.85
Roof	16.5	0.13	2.15
Roof Lights	2	2.2	4.40
Gables Walls	30.6	0.18	5.51
Window Wd15	0.37	1.4	0.52
Window Wd14	0.37	1.4	0.52

Total 444.08 302.35

U- Average  $\frac{\text{total rate of heat loss per degree}}{\text{total external surface area}}$

U- Average  $\frac{302.35}{444.08}$

**U- Average 0.681**

Building Contol Compliance Plus  
Target u values per element

Ground Floor	71.9	0.67	48.17
Ground Floor Extension	46.5	0.15	6.98
Wall	59.66	2.13	127.08
Window WD01	2.5	4	10.00
Door DR01	3.2	4	12.80
Window WD02	2.5	4	10.00
Window WD03	0.54	4	2.16
Window WD07	0.84	4	3.36
Roof	37.86	0.15	5.68
Roof Lights	2	2.2	4.40
Roof	27.4	0.14	3.84
Window Wd12	1.72	1.4	2.41
Window Wd13	1.2	1.4	1.68
Window Wd14	1.72	1.4	2.41
Ground Floor	46.5	0.15	6.98
Wall	44.38	0.25	11.10
Window WD08	0.6	1.6	0.96
Window WD10	0.51	1.6	0.82
Window Dr13	8.2	1.6	13.12
Window Dr11	6.5	1.6	10.40
Window WD9	0.51	1.6	0.82
Roof	27.5	0.14	3.85
Roof	16.5	0.13	2.15
Roof Lights	2	2.2	4.40
Gables Walls	30.6	0.15	4.59
Window Wd15	0.37	1.4	0.52
Window Wd14	0.37	1.4	0.52

Total	444.08	301.16
U- Average	$\frac{\text{total rate of heat loss per degree}}{\text{total external surface area}}$	
U- Average	$\frac{301.16}{444.08}$	
<b>U- Average</b>	<b>0.678</b>	