

Consultation Paper: CONSP:13

Data on installation costs of measures for use in EPCs

Issue 1.0

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DOCUMENT REVISION LOG

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1. INTRODUCTION

This paper presents the indicative cost data for energy efficiency improvement measures used for EPCs and Green Deal assessments which is contained in the Product Characteristics Database (PCDb). This has not been updated as part of the SAP review – it is provided simply for information, having not been made available previously in an easily accessible way.

Some measure names may appear to be duplicates, or to overlap with other categories. This is because slightly different measure definitions are used for different purposes (e.g. EPCs and Green Deal) and they must all be contained in this table for use by SAP software variants. Some are also included for legacy purposes and are not used in current EPC or Green Deal calculations.

Measure costs, which include labour rates, are in practice highly variable, so most of the indicative costs are given as a range, so a lower and upper figure is quoted.

Figures in this table can be updated at DECC's discretion, but in practice are changed very infrequently to avoid disruption to EPC and Green Deal figures. For example, a suitable occasion would be when RdSAP is updated.

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2. EPC COST DATA (all figures are £)

Improvement measure	Measure code	Lower	Upper	Comment
Loft insulation	A	100	350	
Flat roof insulation	A2	850	1500	
Roof room insulation	A3	1500	2700	
Cavity wall insulation	B	500	1500	
Party wall insulation	B4	300	600	
Hot water cylinder insulation	C	15	30	
Draught proofing	D	80	120	
Low energy lights	E	5		Per light
Energy efficient luminaires	E2	400	500	Whole dwelling
Circulation pump	EP	150	250	
Cylinder thermostat	F	200	400	
Heating controls for wet central heating system	G	350	450	
Heating controls for warm air system	H	350	450	
Upgrade boiler, same fuel	I	2200	3000	
Biomass boiler	J	7000	13000	
Biomass boiler (Alternative measure).	J2	7000	13000	
Biomass room heater with boiler	K	7000	13000	
Fan assisted storage heaters	L	300	400	Per storage heater
New or replacement storage heaters	L2	400	600	Per storage heater
Replacement warm-air unit	M	1250	2500	
Solar water heating	N	4000	6000	
Double glazed windows	O	3300	6500	
Triple glazed windows	O2	5000	10000	
Glazing replacement	O3	1000	1400	
Secondary glazing	P	1000	1500	
Solid wall insulation	Q	4000	14000	
Internal or external wall insulation	Q1	4000	14000	
External insulation with cavity wall insulation	Q2	4500	15500	
Condensing oil boiler	R	3000	7000	
Change heating to condensing gas condensing boiler (no fuel switch)	S	3000	7000	
Change heating to condensing gas condensing boiler (fuel switch)	T	3000	7000	
Flue gas heat recovery	T2	400	900	
Photovoltaics	U	5000	8000	
Wind turbine	V2	15000	25000	
Floor insulation (suspended floor)	W1	800	1200	
Floor insulation (solid ground floor)	W2	4000	6000	
Insulated doors	X	500		Per door
Waste water heat recovery	Y	585	725	
Instantaneous waste water heat recovery	Y2	2200	2800	
Air or ground source heat pump	Z1	3000	10000	
Ground source heat pump	Z4	9000	17000	
Air or ground source heat pump with underfloor heating	Z2	3000	10000	
Ground source heat pump with underfloor heating	Z5	9000	17000	
Micro-CHP	Z3	5500		