

## Cross-Sector Deemed Scores Table:

All works to be completed as per SEAI's Domestic Technical Standards and Specifications and the Better Energy Homes Contractor's Code of Practice. All measures must be installed in dwellings built before 2011 unless otherwise stated

Measure	Minimum Specification - All measures installed must meet the minimum specification listed below	Energy Credits kWh/yr	
		Apartment	House
Roof insulation	Insulation as per TGD L 2008 <ul style="list-style-type: none"> <li>• On the ceiling to U-Value 0.16 W/m<sup>2</sup>K</li> <li>• On the rafter to 0.2 W/m<sup>2</sup>K</li> <li>• On flat roofs to 0.22 W/m<sup>2</sup>K</li> </ul>	524	824
External wall insulation	To U-Value 0.27 W/m <sup>2</sup> K as per TGD L 2008	1,457	2,290
Internal dry lining wall insulation	To U-Value 0.27 W/m <sup>2</sup> K as per TGD L 2008	1,239	1,947
Cavity wall insulation	To U-Value 0.50 W/m <sup>2</sup> K	949	1,492
Floor insulation	To U-Value 0.36 W/m <sup>2</sup> K	343	538
Full window replacement	To U-Value 1.4 W/m <sup>2</sup> K	697	1,095
External door replacement	To U-Value 1.4 W/m <sup>2</sup> K	167	263
High Efficiency Gas or Oil fired Boiler with Fully integrated Heating Controls Upgrade	90%+ Boiler gross seasonal efficiency as per HARP database, full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 80mm hot water cylinder insulating jacket	1,608	2,527
Fully integrated Heating Controls Upgrade	Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008	890	1,398
High Efficiency Gas or Oil fired Boiler with Entry Level Heating Controls Upgrade	90%+ Boiler gross seasonal efficiency as per HARP database, 24hr/7day programmer and room thermostat	1,114	1,750
Biomass boiler with thermal store and Fully integrated Heating Controls Upgrade	Min gross efficiency of 77% as per HARP. Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 80mm hot water cylinder insulating jacket	608	956
Biomass boiler without thermal store and Fully integrated Heating Controls Upgrade	Min gross efficiency of 82% as per HARP. Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 80mm hot water cylinder insulating jacket	608	956
Entry Level Heating Controls Upgrade only	24 hour 7 day programmer & room thermostat	393	618

Solar Water Heating Installation	Sized and installed in accordance with SR 50-2	893	1,403
Water to Water Heat Pump with Fully integrated Heating controls Upgrade	Water to Water Heat pump, minimum SPF of 485. Listed on the HARP, EHPA, Ecolabel or Eurovent database3 Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 50mm pre insulated hot water cylinder	7,683	12,073
Air to Water Heat Pump with Fully integrated Heating controls Upgrade	Air to Water Heat pump, minimum SPF of 350. Listed on the HARP, EHPA, Ecolabel or Eurovent database3. Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 50mm pre insulated hot water cylinder	7,683	12,073
Brine to Water Heat Pump with Fully integrated Heating controls Upgrade	Brine to Water Heat pump, minimum SPF of 390. Listed on the HARP, EHPA, Ecolabel or Eurovent database3. Full zone control on space and water heating, with at least 2 zones for space heating as recommended in TGD L 2008 and 50mm pre insulated hot water cylinder	7,683	12,073
Air to Air Heat Pump with Fully integrated Heating controls Upgrade	Air to Air Heat pump, minimum SPF of 325%. Listed on the HARP, EHPA, Ecolabel or Eurovent database* Full zone control with at least 2 zones for space heating as recommended in TGD L 2008. 50mm pre insulated hot water cylinder	6,088	9,567
High heat retention storage heaters	High heat retention storage heaters (as per SAP 2013) replacing existing electric storage system Heat retention not less than 45% as measured in accordance with EN 60531. Test results must be from or endorsed by a body accredited to test to EN 60531	1,719	2,701
High heat retention Cylinder (minimum standing loss of 0.5W/litre)	Replacement of existing uninsulated/jacket insulated hot water cylinder with a High heat retention cylinder as per the Heating and Domestic Hot Water Systems for dwellings – Achieving compliance with Part L 2008 document: (i.e. that the heat loss from the cylinder will not exceed $1.6 \times (0.2 + 0.051V^{2/3})$ kWh per 24 hours, where V is the nominal cylinder capacity in litres), or a standing loss less than 0.5W/l per hr Tested to BS 1566: 2002 Copper indirect cylinders for domestic purposes. Open vented copper cylinders. Requirements and test methods and/or BS 7206:1990 Specification for unvented hot water storage units and packages	87	137
Mechanical ventilation	<ul style="list-style-type: none"> <li>• Whole-house extract ventilation</li> <li>• Detailed list of relevant standards and performance criteria in Section 6.31 of SEAI DTSS.</li> </ul>	420	659
Air tightness	Air tightness test value for measure	435	683