

DEAP for NEW-FINAL and EXISTING HOMES SURVEY FORM

Client name: _____

Assessor name / BER reg. no. _____

Property address: _____

Survey Date: _____

MPRN

Number of occupants adults children

Dwelling Type

detached house

semi detached house

end of terrace

mid terrace

ground floor apartment

mid floor apartment

top-floor apartment

basement apartment

maisonette

Pick dwelling type that is closest to actual dwelling type

Age: Dwelling	Age: Extension 1	Age: Extension 2
<input type="checkbox"/> pre 1900	<input type="checkbox"/> pre 1900	<input type="checkbox"/> pre 1900
<input type="checkbox"/> 1900 - 1929	<input type="checkbox"/> 1900 - 1929	<input type="checkbox"/> 1900 - 1929
<input type="checkbox"/> 1930 - 1949	<input type="checkbox"/> 1930 - 1949	<input type="checkbox"/> 1930 - 1949
<input type="checkbox"/> 1950 - 1966	<input type="checkbox"/> 1950 - 1966	<input type="checkbox"/> 1950 - 1966
<input type="checkbox"/> 1967 - 1977	<input type="checkbox"/> 1967 - 1977	<input type="checkbox"/> 1967 - 1977
<input type="checkbox"/> 1978 - 1982	<input type="checkbox"/> 1978 - 1982	<input type="checkbox"/> 1978 - 1982
<input type="checkbox"/> 1983 - 1993	<input type="checkbox"/> 1983 - 1993	<input type="checkbox"/> 1983 - 1993
<input type="checkbox"/> 1994 - 1999	<input type="checkbox"/> 1994 - 1999	<input type="checkbox"/> 1994 - 1999
<input type="checkbox"/> 2000 - 2004	<input type="checkbox"/> 2000 - 2004	<input type="checkbox"/> 2000 - 2004
<input type="checkbox"/> 2005 onwards	<input type="checkbox"/> 2005 onwards	<input type="checkbox"/> 2005 onwards
<input type="checkbox"/> no extension 1	<input type="checkbox"/> no extension 1	<input type="checkbox"/> no extension 2

number of stories

Type of Rating

new-final dwelling

existing dwelling

Purpose of Rating

new: owner occupation

sale

private letting

social housing letting

grant support

other _____

Wall construction Main Wall*

stone wall thickness (mm)

solid brick is wall semi exposed?

cavity **Wall Insulation**

solid concrete as built bead

hollow block cavity fill EPS

timber frame external min fibre

other/unknown internal dense

insulation thickness if observable(mm) _____

Roof Construction: Main Dwelling*

pitched - insulation btw joists **Roof insulation**

pitched - insulation in rafters thickness (mm) fibre

flat - insulation integral warmcell

room in roof EPS

no heat loss roof unknown dense

other _____

Ground Floor Construction: Main Dwelling*

solid no heat loss ground floor

suspended: sealed unsealed

above unheated basement

heated basement

other _____

Floor Insulation **Type of insulation (if any)**

thickness (mm) EPS

(only if any observed) min fibre

none unknown dense

Wall construction Wall Type 2*

no wall type 2 wall thickness (mm)

stone is wall semi exposed?

solid brick **Wall Insulation**

cavity as built bead

solid concrete cavity fill EPS

hollow block external min fibre

timber frame internal dense

other/unknown _____

insulation thickness if observable(mm) _____

Roof Construction: Roof Type 2*

no heat loss roof type 2 **Roof insulation**

pitched - insulation btw joists thickness (mm) fibre

pitched - insulation in rafters warmcell

flat - insulation integral EPS

room in roof unknown dense

other _____

Ground Floor Construction: Floor Type 2*

no heat loss extension floor type 2

solid

suspended: sealed unsealed

above unheated basement

other _____

Floor Insulation **Type of insulation (if any)**

thickness (mm) EPS

(only if any observed) min fibre

none unknown dense

Wall construction Wall Type 3*

no wall type 3 wall thickness (mm)

stone is wall semi exposed?

solid brick **Wall Insulation**

cavity as built bead

solid concrete cavity fill EPS

hollow block external min fibre

timber frame internal dense

other/unknown _____

insulation thickness if observable(mm) _____

Roof Construction: Roof Type 3*

no heat loss roof type 3 **Roof insulation**

pitched - insulation btw joists thickness (mm) fibre

pitched - insulation in rafters warmcell

flat - insulation integral EPS

room in roof unknown dense

other _____

Ground Floor Construction: Floor Type 3*

no heat loss extension floor type 3

solid

suspended: sealed unsealed

above unheated basement

other _____

Floor Insulation **Type of insulation (if any)**

thickness (mm) EPS

(only if any observed) min fibre

none unknown dense

Wall construction Wall Type 4*

no wall type 4 wall thickness (mm)

stone is wall semi exposed?

solid brick **Wall Insulation**

cavity as built bead

solid concrete cavity fill EPS

hollow block external min fibre

timber frame internal dense

other/unknown _____

insulation thickness if observable(mm) _____

Roof Construction: Roof Type 4*

no heat loss roof type 4 **Roof insulation**

pitched - insulation btw joists thickness (mm) fibre

pitched - insulation in rafters warmcell

flat - insulation integral EPS

room in roof unknown dense

other _____

Heat Loss Upper Floors (Floor Type 4)*

no heat loss upper floor

partially heated below

exposed semi exposed

Floor Insulation **Type of insulation (if any)**

thickness (mm) EPS

(only if any observed) min fibre

none unknown dense

**note: Actual U-value should be calculated and used if the wall /roof /floor construction detail is available on site or through documentation. Substantiation supporting the U-value calculation is required.*

Ventilation Factors

- | | |
|---|--|
| <input type="checkbox"/> draught lobby on main entrance | <input type="checkbox"/> natural ventilation |
| <input type="checkbox"/> number of sides sheltered | <input type="checkbox"/> positive input ventilation from loft |
| <input type="checkbox"/> pressure test results available | <input type="checkbox"/> positive input ventilation from outside |
| <input type="checkbox"/> If yes, enter adjusted result (ac/h) | <input type="checkbox"/> whole house extract ventilation |
| | <input type="checkbox"/> balanced whole-house mechanical ventilation without heat recovery |
| | <input type="checkbox"/> balanced whole-house mechanical ventilation with heat recovery |

*Mechanical ventilation system details if available (e.g. model & number, along with number of rooms from which air is extracted and use of flexible/rigid ducting)
DEAP manual contains guidance on using non default SFP and efficiency for mechanical ventilation units.*

Space heating system (general information)

Primary Heating System	Secondary Heating System	Primary Heating Fuel	Secondary Heating Fuel
<input type="checkbox"/> radiator system <input type="checkbox"/> storage heaters <input type="checkbox"/> underfloor <input type="checkbox"/> warm air <input type="checkbox"/> room heaters only <input type="checkbox"/> community <input type="checkbox"/> fan coil radiators <input type="checkbox"/> other (describe briefly):	<input type="checkbox"/> no secondary system <input type="checkbox"/> radiator system <input type="checkbox"/> storage heaters <input type="checkbox"/> underfloor <input type="checkbox"/> warm air <input type="checkbox"/> room heaters only <input type="checkbox"/> fan coil radiators <input type="checkbox"/> other (describe briefly):	<input type="checkbox"/> mains gas <input type="checkbox"/> bulk LPG <input type="checkbox"/> bottled LPG <input type="checkbox"/> heating oil <input type="checkbox"/> electricity <input type="checkbox"/> heat from CHP <input type="checkbox"/> bioethanol <input type="checkbox"/> other:	<input type="checkbox"/> housecoal <input type="checkbox"/> anthracite <input type="checkbox"/> smokeless <input type="checkbox"/> peat briquettes <input type="checkbox"/> sod peat <input type="checkbox"/> wood pellets <input type="checkbox"/> wood chips <input type="checkbox"/> biodiesel <input type="checkbox"/> no secondary system <input type="checkbox"/> housecoal <input type="checkbox"/> anthracite <input type="checkbox"/> smokeless <input type="checkbox"/> peat briquettes <input type="checkbox"/> sod peat <input type="checkbox"/> wood pellets <input type="checkbox"/> wood chips <input type="checkbox"/> bioethanol <input type="checkbox"/> biodiesel <input type="checkbox"/> other:

Gas / Oil / LPG Boilers	Solid Fuel Boilers	Comments on heating system
<input type="checkbox"/> primary <input type="checkbox"/> secondary Boiler type <input type="checkbox"/> standard <input type="checkbox"/> combi <input type="checkbox"/> condensing <input type="checkbox"/> back boiler <input type="checkbox"/> CPSU <input type="checkbox"/> range cooker <input type="checkbox"/> single burner <input type="checkbox"/> twin burner Flue type <input type="checkbox"/> open <input type="checkbox"/> balanced <input type="checkbox"/> fan assisted <input type="checkbox"/> wall <input type="checkbox"/> floor Age <input type="checkbox"/> 1998 or later <input type="checkbox"/> pre 1998 <input type="checkbox"/> oil: pre 1985 <input type="checkbox"/> gas/ LPG pre 1979 Mounting <input type="checkbox"/> auto <input type="checkbox"/> permanent pilot Ignition <input type="checkbox"/> auto <input type="checkbox"/> permanent pilot Manufacturer / make / model number	<input type="checkbox"/> primary <input type="checkbox"/> secondary <input type="checkbox"/> open fire + back boiler <input type="checkbox"/> closed room heater + back boiler grate: <input type="checkbox"/> rectangular <input type="checkbox"/> trapezium <input type="checkbox"/> independent oven <input type="checkbox"/> manual feed boiler <input type="checkbox"/> auto feed boiler <input type="checkbox"/> biomass boiler <input type="checkbox"/> wood chip / pellet boiler MF / AF boiler in heated space? <input type="checkbox"/> Manufacturer / make / model number	
Electric Boilers <input type="checkbox"/> primary <input type="checkbox"/> secondary <input type="checkbox"/> direct acting <input type="checkbox"/> dry core <input type="checkbox"/> CPSU <input type="checkbox"/> water storage <input type="checkbox"/> dry core / water storage in heated space		

Electric Storage Heaters	Gas Room Heaters
<input type="checkbox"/> primary <input type="checkbox"/> secondary <input type="checkbox"/> modern / slimline <input type="checkbox"/> convector <input type="checkbox"/> integrated storage / direct acting (inc. room stat) Control options <input type="checkbox"/> manual charge control <input type="checkbox"/> automatic / weather dependent <input type="checkbox"/> Celect-type <input type="checkbox"/> fan assisted <input type="checkbox"/> old (pre-1980) large volume Age <input type="checkbox"/> 1998 or later <input type="checkbox"/> pre 1998 Other types <input type="checkbox"/> Room heater with in floor ducts <input type="checkbox"/> Electric electricaire	<input type="checkbox"/> primary <input type="checkbox"/> secondary <input type="checkbox"/> pre 1980 <input type="checkbox"/> coal effect - sealed flue <input type="checkbox"/> coal effect - open to chimney <input type="checkbox"/> flueless <input type="checkbox"/> condensing <input type="checkbox"/> back boiler (no rads) <input type="checkbox"/> other (none of above) Front <input type="checkbox"/> open-fronted <input type="checkbox"/> glass-fronted Flue type <input type="checkbox"/> open <input type="checkbox"/> balanced <input type="checkbox"/> fan assisted

Warm Air Systems	Oil Room Heaters	Solid Fuel Room Heaters
<input type="checkbox"/> primary <input type="checkbox"/> secondary Ducted or Stub Ducted <input type="checkbox"/> on - off <input type="checkbox"/> modulating Age <input type="checkbox"/> 1998 or later <input type="checkbox"/> pre 1998 Other Features (tick all that apply) <input type="checkbox"/> fan assisted <input type="checkbox"/> condensing <input type="checkbox"/> with flue heat recovery Other types <input type="checkbox"/> Room heater with in floor ducts <input type="checkbox"/> Electric electricaire	<input type="checkbox"/> primary <input type="checkbox"/> secondary <input type="checkbox"/> room heater / range <input type="checkbox"/> room heater/range with boiler (no rads) Age <input type="checkbox"/> pre 2000 <input type="checkbox"/> 2000 or later	<input type="checkbox"/> primary <input type="checkbox"/> secondary <input type="checkbox"/> open fire in grate <input type="checkbox"/> open fire with backboiler (no rads) <input type="checkbox"/> closed room heater <input type="checkbox"/> closed room heater with backboiler (no rads) <input type="checkbox"/> stove (pellet-fired) <input type="checkbox"/> flueless bioethanol

Heat Pumps	Electric Room Heaters	Individual CHP?
<input type="checkbox"/> primary <input type="checkbox"/> secondary <input type="checkbox"/> air-to-air <input type="checkbox"/> air-to-water <input type="checkbox"/> gas-fired - ground / water <input type="checkbox"/> ground-to-air <input type="checkbox"/> ground-to-water <input type="checkbox"/> gas-fired, air source heat pump includes auxiliary electric heater <input type="checkbox"/> Manufacturer / make / model number	<input type="checkbox"/> primary <input type="checkbox"/> secondary <input type="checkbox"/> panel, convector, or radiant heater <input type="checkbox"/> fan heater Secondary heating make / manufacturer/model number	<input type="checkbox"/> <input type="checkbox"/> % heat from CHP CHP efficiencies <input type="checkbox"/> Electrical % <input type="checkbox"/> Thermal % Fuel

Heating system (Domestic Hot Water)

<p>Primary Hot Water System</p> <p><input type="checkbox"/> from primary heating system <input type="checkbox"/> gas instant: single point <input type="checkbox"/> backboiler / kitchen range</p> <p><input type="checkbox"/> electric immersion <input type="checkbox"/> gas instant: multi point <input type="checkbox"/> gas <input type="checkbox"/> oil <input type="checkbox"/> SF</p> <p><input type="checkbox"/> electric instantaneous <input type="checkbox"/> gas circulator pre 1998 <input type="checkbox"/> gas circulator 1998 or later</p> <p>If instantaneous combi boiler: <input type="checkbox"/> keep hot facility controlled by <input type="checkbox"/> timeclock <input type="checkbox"/> no timeclock</p> <p>If storage combi: store volume <input type="checkbox"/> <55 litres <input type="checkbox"/> >= 55 litres</p> <p>Hot Water Cylinder, Insulation and Controls <input type="checkbox"/> cylinder <input type="checkbox"/> combi <input type="checkbox"/> CPSU <input type="checkbox"/> thermal store</p> <p><input type="checkbox"/> no access Insulation: <input type="checkbox"/> no insulation primary pipework insulated <input type="checkbox"/> Controls:</p> <p><input type="checkbox"/> capacity (litres) <input type="checkbox"/> lagging jacket <input type="checkbox"/> insulation cylinder thermostat <input type="checkbox"/></p> <p><input type="checkbox"/> or dimensions <input type="checkbox"/> factory fitted <input type="checkbox"/> thickness (mm) independent timer <input type="checkbox"/></p> <p><i>Cylinder volume/dimensions does not include insulation thickness</i> storage is outdoors <input type="checkbox"/></p> <p>Supplementary Summer Hot Water</p> <p><input type="checkbox"/> not applicable <input type="checkbox"/> electric heater present for supplementary hot water heating*</p> <p><small>*only if space heating and water heating cannot be separated and main water heating isn't electric. See DEAP manual</small></p>	<p>Solar Water Heating System <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> evacuated tube <input type="checkbox"/> flat plate, glazed <input type="checkbox"/> Flat plate unglazed</p> <p><input type="checkbox"/> solar collector area (m²) <input type="checkbox"/> area is "gross" area</p> <p><input type="checkbox"/> area is "aperture area"</p> <p>overshading: <input type="checkbox"/> very little (<20%) <input type="checkbox"/> modest (20-60%)</p> <p><input type="checkbox"/> significant (61-80%) <input type="checkbox"/> heavy (>80%)</p> <p>dedicated solar storage volume (litres) <input style="width: 50px;" type="text"/></p> <p>contained within combined cylinder <input type="checkbox"/></p> <p>contained within separate cylinder <input type="checkbox"/></p> <p>orientation <input style="width: 50px;" type="text"/> tilt ° <input style="width: 50px;" type="text"/></p> <p>Solar panel make and model: <input style="width: 100%; height: 20px;" type="text"/></p>
<p>Comments on water heating system</p>	

Heating system (Controls)

<p>Heating Controls (tick all that apply)</p> <p><input type="checkbox"/> no controls</p> <p><input type="checkbox"/> programmer / timeclock</p> <p><input type="checkbox"/> room thermostat number <input style="width: 30px;" type="text"/></p> <p><input type="checkbox"/> TRV's % rads with TRVs <input style="width: 30px;" type="text"/></p> <p><input type="checkbox"/> bypass</p> <p><input type="checkbox"/> load compensator</p> <p><input type="checkbox"/> weather compensator</p> <p><input type="checkbox"/> full zone control</p> <p><input type="checkbox"/> boiler energy management system</p> <p><input type="checkbox"/> delay start thermostat</p> <p><input type="checkbox"/> boiler interlock</p> <p><input type="checkbox"/> appliance thermostat</p> <p><input type="checkbox"/> appliance timeclock</p>	<p>Underfloor heating (UFH)</p> <p><input type="checkbox"/> in insulated timber floor <input type="checkbox"/> whole house UFH</p> <p><input type="checkbox"/> in screed <input type="checkbox"/> Partial UFH including living area</p> <p><input type="checkbox"/> in concrete <input type="checkbox"/> Partial UFH not including living area</p> <p>Comments on Heating Controls</p>	<p>Pumps</p> <p><input style="width: 30px;" type="text"/> How many central heating pumps for space heating?</p> <p style="text-align: right;">Central heating pump(s) outdoors <input type="checkbox"/></p> <p><input style="width: 30px;" type="text"/> How many oil boiler fuel pumps?</p> <p style="text-align: right;">Oil fuel pump(s) outdoors <input type="checkbox"/></p> <p><input style="width: 30px;" type="text"/> How many gas boiler flue fans?</p>
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Group Heating

<p>Distribution Loss Factor and charge method</p> <p><input type="checkbox"/> pre 1991 full flow mid-high temp: not pre-insulated</p> <p><input type="checkbox"/> pre 1991 full flow low temp: pre-insulated</p> <p><input type="checkbox"/> 1991 or later variable flow mid temp: pre-insulated</p> <p><input type="checkbox"/> 1991 or later variable flow low temp: pre-insulated</p> <p><small>See DEAP C1.1 for dist. loss factor derivation method</small></p> <p>consumption charged: flat rate <input type="checkbox"/> linked to use <input type="checkbox"/></p>	<p>Heating system #1</p> <p><input style="width: 30px;" type="text"/> efficiency %</p> <p><input style="width: 30px;" type="text"/> proportion of group heating %</p> <p>Fuel type of heating system <input style="width: 100%; height: 20px;" type="text"/></p> <p>Make and model of heating system <input style="width: 100%; height: 20px;" type="text"/></p>	<p>Heating system #2</p> <p><input style="width: 30px;" type="text"/> efficiency %</p> <p><input style="width: 30px;" type="text"/> proportion of group heating %</p> <p>Fuel type of heating system <input style="width: 100%; height: 20px;" type="text"/></p> <p>Make and model of heating system <input style="width: 100%; height: 20px;" type="text"/></p>	<p>CHP / Waste Heat</p> <p><input type="checkbox"/> % heat from CHP (or power station)</p> <p><input type="checkbox"/> power station</p> <p><input type="checkbox"/> CHP</p> <p>CHP efficiencies</p> <p><input type="checkbox"/> Electrical %</p> <p><input type="checkbox"/> Thermal %</p> <p>Fuel <input style="width: 100%; height: 20px;" type="text"/></p>
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Any other comments or details on assessment including items observed which affect the rating but not shown elsewhere on survey form/sketches.