

DEAP for NEW-FINAL and EXISTING HOMES SURVEY FORM

Property address:

3 The Street, Co. Cork

Assessor name / BER reg. no.

Survey Date:

02.09.2019

Eircode

MPRN

0

Number of storeys

2

Number of bedrooms

3

Number of extensions

0

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

- pre 1900
- 1900 - 1929
- 1930 - 1949
- 1950 - 1966
- 1967 - 1977
- 1978 - 1982
- 1983 - 1993
- 1994 - 1999
- 2000 - 2004
- 2005 - 2009
- 2010 onwards

Age: Extension 1

- pre 1900
- 1900 - 1929
- 1930 - 1949
- 1950 - 1966
- 1967 - 1977
- 1978 - 1982
- 1983 - 1993
- 1994 - 1999
- 2000 - 2004
- 2005 - 2009
- 2010 onwards

Age: Extension 2

- pre 1900
- 1900 - 1929
- 1930 - 1949
- 1950 - 1966
- 1967 - 1977
- 1978 - 1982
- 1983 - 1993
- 1994 - 1999
- 2000 - 2004
- 2005 - 2009
- 2010 onwards

Type of Rating

- new-final dwelling
- existing dwelling

Purpose of Rating

- new: owner occupation
- sale
- private letting
- social housing letting
- grant support
- major renovation
- other training

Wall construction Main Wall*

- stone 300 wall thickness (mm)
 - solid brick N 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 150 warmcell
 - room in roof EPS
 - no heat loss roof unknown dense
 - other
- main attic

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
 - 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: 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
- roof over bay

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
 - 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: 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
 - 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: 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.*

Total Floor Areas, Heat Loss Floor Areas, Gross Heat Loss Wall Areas, Gross Heat Loss Roof Areas, Storey Heights* (internal dimensions only)

	Storey height (m)	Total floor area (m ²)	Heatloss Floor 1 Area (m ²)	Heatloss Floor 2 Area (m ²)	Heatloss Floor 3 Area (m ²)	Heatloss Floor 4 Area (m ²)	Heatloss Perimeter (m)	Heatloss Wall 1 Area (m ²)	Heatloss Wall 2 Area (m ²)	Heatloss Wall 3 Area (m ²)	Heatloss Wall 4 Area (m ²)	Heatloss Roof 1 Area (m ²)	Heatloss Roof 2 Area (m ²)	Heatloss Roof 3 Area (m ²)	Heatloss Roof 4 Area (m ²)
Ground / Lowest Floor	2.44	51.92													
First / Next Floor	2.69	50.46													
Second / Next Floor															
Third / Next Floor															
Basement															

living area (m ²) 18.59	room in roof area (m ²) 	perimeter/total ground floor (P/A) ratio F type#1: F type#2: F type#3:			% draughtstripping 92%	Lighting design known (yes/no)? If yes, keep Wattage / Lumens proof on file. N	Thermal mass external wall: <input type="checkbox"/> light <input type="checkbox"/> med <input checked="" type="checkbox"/> heavy floor: <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> separating walls: <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> internal walls: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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Room by Room record (use more than 1 row for a room if required)

Overall thermal mass

OPENING DATA										ROOM DATA						
Room	Opening	opening dimensions (W x H or m ²)	Glazing details	Frame	Gap	over shading	direction	Wall / roof type	# of openable windows/ doors / attic hatches?	# windows/ doors/ hatches with draughtstripping	Chimney or Flueless	Open Flues	Fans / vents	Rads with or w/o TRVs?	Number of fixed lights	What type of fixed lights? Use more than 1 row if needed.
Hall	1	0.88 x 2.1	solid	W	-	-	-	1	1	1	0	0	0	1 trv	3	3 CFL
	2	0.285 x 2.1	double/air	W	6	mta	NW	1	0	0						
	3	0.285 x 2.1	double/air	W	6	mta	NW	1	0	0						
Living	4	0.54 x 1.51	double/air	PVC	12	heavy	SW	1	0	0	1	0	0	1 trv	3	3 HL
	5	2.26 x 1.51	double/air	PVC	12	ave	NW	1	2	2						
	6	0.54 x 1.51	double/air	PVC	12	heavy	NE	1	0	0						
Kitchen	7	1.66 x 1.03	double/air	PVC	12	ave	SE	1	1	1	0	0	1 PV	1 trv	1	1 LF
	8	1.66 x 2.1	double/air	Metal 4mm TB	12	ave	SE	1	1	1			1 Ex			
Utility	9	0.57 X 1.03	double/air	PVC	12	heavy	SW	1	1	1	0	0	1 Ex	0	1	1 INC
Landing	10	attic hatch	-	-	-	-	-	-	1	0	0	0	0	0	1	1 CFL
Bathroom	11	0.66 x 1.05	double/air	PVC	12	heavy	SW	1	1	1	0	0	1 Ex	1 trv	1	1 CFL
Ensuite	12	0.65 x 1.16	double/air	PVC	12	ave	SE	1	1	1	0	0	1 Ex	1	3	3 LED
Bed 1	13	1.67 x 1.16	double/air	PVC	12	ave	SE	1	1	1	0	0	0	1 trv	3	3 CFL
Bed 2	14	1.84 x 1.18	double/air	PVC	12	ave	NW	1	2	2	0	0	0	1 trv	1	1 CFL
Bed 3	15	1.50 x 1.18	double/air	PVC	12	ave	NW	1	1	1	0	0	0	1 trv	3	1 CFL
																2 LED
TOTALS									13	12	1	0	1 PV 4 Ex	7 8	20	

* Gross areas have to be converted to net heat loss areas when entered into DEAP program by subtracting door and window areas from each wall type

Ventilation Factors

<input checked="" type="checkbox"/> draught lobby on main entrance	<input type="checkbox"/> number of sides sheltered 3	<input checked="" type="checkbox"/> natural ventilation
<input checked="" type="checkbox"/> pressure test results available	<input type="checkbox"/> Pressure test result reference number N/A	<input type="checkbox"/> positive input ventilation from loft
<input type="checkbox"/> If yes, enter adjusted result (ac/h) N/A		<input type="checkbox"/> positive input ventilation from outside
<input checked="" type="checkbox"/> Is there uninsulated ducting on MVHR system outside dwelling envelope? N/A		<input type="checkbox"/> whole house extract ventilation
		<input type="checkbox"/> balanced whole-house mech. ventilation without heat recovery
		<input type="checkbox"/> balanced whole-house mechanical ventilation with heat recovery
		<input type="checkbox"/> exhaust air heat pump (EAHP) <input type="text"/> air flow rate for EAHP (m ³ /h)

DEAP manual contains guidance on using non default SFP and efficiency for mechanical ventilation units as well as identifying the air flow rate in EAHPs.

Mech. ventilation system details if available (e.g. model&number, along with # of rooms from which air is extracted and use of flexible/rigid ducting)

Lighting summary (total number of each bulb type from room by room record)

1 #Linear fluorescent	10 #CFL	3 #Halogen lamps
5 #LED	#Halogen LV	1 #Incandescent/unknown

Space heating system (general information)

Primary Heating System	Secondary Heating System	Primary Heating Fuel	Secondary Heating Fuel
<input checked="" 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 checked="" type="checkbox"/> room heaters only <input type="checkbox"/> fan coil radiators <input type="checkbox"/> other (describe briefly):	<input checked="" 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"/> 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"/> biodiesel <input type="checkbox"/> other:

Gas / Oil / LPG Boilers primary secondary **Solid Fuel Boilers** primary secondary **Comments on heating system**

Boiler type <input checked="" 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 checked="" type="checkbox"/> fan assisted <input type="checkbox"/> wall <input type="checkbox"/> floor	Age <input checked="" type="checkbox"/> 1998 or later <input type="checkbox"/> pre 1998 <input type="checkbox"/> oil: pre 1985 <input type="checkbox"/> gas/ LPG pre 1979 Ignition <input checked="" type="checkbox"/> auto <input type="checkbox"/> permanent pilot	<input type="checkbox"/> open fire + back boiler <input type="checkbox"/> closed room heater + back boiler <input type="checkbox"/> manual feed boiler <input type="checkbox"/> auto feed boiler <input type="checkbox"/> MF / AF boiler in heated space? Manufacturer / make / model number <input type="checkbox"/> range cooker boiler with integral oven <input type="checkbox"/> independent oven <input type="checkbox"/> biomass boiler <input type="checkbox"/> wood chip / pellet boiler
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Electric Boilers primary secondary

<input type="checkbox"/> direct acting <input type="checkbox"/> dry core <input type="checkbox"/> dry core / water storage in heated space	<input type="checkbox"/> CPSU <input type="checkbox"/> water storage
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Electric Storage Heaters primary secondary **Gas Room Heaters** primary 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 <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"/> 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
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Warm Air Systems primary secondary **Oil Room Heaters** primary 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	<input type="checkbox"/> fan assisted <input type="checkbox"/> condensing <input type="checkbox"/> with flue heat recovery	<input type="checkbox"/> room heater / range <input type="checkbox"/> room heater/range with boiler (no rads) Solid Fuel Room Heaters <input type="checkbox"/> primary <input checked="" type="checkbox"/> secondary <input checked="" 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)	Age <input type="checkbox"/> pre 2000 <input type="checkbox"/> 2000 or later <input type="checkbox"/> stove (pellet-fired) <input type="checkbox"/> flueless bioethanol
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Heat Pumps primary secondary **Electric Room Heaters** primary secondary

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

Heating system (Domestic Hot Water)

Primary Hot Water System		Solar Water Heating System <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input checked="" type="checkbox"/> from primary heating system	<input type="checkbox"/> gas instant: single point	<input type="checkbox"/> evacuated tube	<input type="checkbox"/> flat plate, glazed
<input type="checkbox"/> electric immersion	<input type="checkbox"/> gas instant: multi point	<input type="checkbox"/> solar collector area (m ²)	<input type="checkbox"/> Flat plate unglazed
<input type="checkbox"/> electric instantaneous	<input type="checkbox"/> gas circulator pre 1998	<input type="checkbox"/> area is "gross" area	<input type="checkbox"/> area is "aperture area"
If instantaneous combi boiler:	<input type="checkbox"/> keep hot facility controlled by	overshading:	<input type="checkbox"/> very little (<20%)
<input type="checkbox"/> keep hot facility controlled by	<input checked="" type="checkbox"/> timeclock	<input type="checkbox"/> modest (20-60%)	<input type="checkbox"/> significant (61-80%)
<input type="checkbox"/> no timeclock	<input type="checkbox"/> no timeclock	<input type="checkbox"/> heavy (>80%)	
If storage combi: store volume	<input type="checkbox"/> <55 litres		
<input type="checkbox"/> >= 55 litres			
Hot Water Cylinder, Insulation and Controls		dedicated solar storage volume (litres) <input style="width: 100px;" type="text"/>	
<input checked="" type="checkbox"/> cylinder	<input type="checkbox"/> combi	contained within combined cylinder <input type="checkbox"/>	
<input type="checkbox"/> CPSU	<input type="checkbox"/> thermal store	contained within separate cylinder <input type="checkbox"/>	
<input type="checkbox"/> no access	Insulation: <input type="checkbox"/> no insulation	orientation <input style="width: 50px;" type="text"/>	
<input type="checkbox"/> primary pipework insulated	<input type="checkbox"/> lagging jacket	tilt ° <input style="width: 50px;" type="text"/>	
<input type="checkbox"/> cylinder thermostat	<input checked="" type="checkbox"/> factory fitted	Solar panel make and model: <input style="width: 150px;" type="text"/>	
<input type="checkbox"/> independent timer	20 thickness (mm)		
<input type="checkbox"/> storage is outdoors	95 capacity (litres)		
<i>Cylinder volume/dimensions does not include insulation thickness</i>			
Supplementary Summer Hot Water			
<input type="checkbox"/> not applicable			
<input checked="" type="checkbox"/> electric heater present for supplementary hot water heating*			
<small>*only if space heating and water heating cannot be separated and main water heating isn't electric. See DEAP manual</small>			

Comments on water heating system	Showers and baths																																				
	<input checked="" type="checkbox"/> Bath in dwelling (y/n)?																																				
	<input type="checkbox"/> Is water use target (hot and cold) 125 l/p/d (y/n)?																																				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Shower #</th> <th>Is flow rate known? (y/n)</th> <th>Shower type: Electric/ Unvented/ Vented/ Vented+pump</th> <th>Flow restrictor? (y/n)</th> <th>Flow rate (if known)?</th> <th>WWHR efficiency and utilisation factor</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>n</td> <td>Vented</td> <td>n</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td>Electric</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Shower #	Is flow rate known? (y/n)	Shower type: Electric/ Unvented/ Vented/ Vented+pump	Flow restrictor? (y/n)	Flow rate (if known)?	WWHR efficiency and utilisation factor	1	n	Vented	n			2		Electric				3						4						5					
Shower #	Is flow rate known? (y/n)	Shower type: Electric/ Unvented/ Vented/ Vented+pump	Flow restrictor? (y/n)	Flow rate (if known)?	WWHR efficiency and utilisation factor																																
1	n	Vented	n																																		
2		Electric																																			
3																																					
4																																					
5																																					

Heating system (Controls)

Heating Controls (tick all that apply)	Underfloor heating (UFH)	Pumps
<input type="checkbox"/> no controls	<input type="checkbox"/> in insulated timber floor	<input style="width: 50px;" type="text"/> How many central heating pumps for space heating?
<input checked="" type="checkbox"/> programmer / timeclock	<input type="checkbox"/> whole house UFH	Central heating pump(s) outdoors <input type="checkbox"/>
<input type="checkbox"/> room thermostat number <input style="width: 50px;" type="text"/>	<input type="checkbox"/> in screed	<input style="width: 50px;" type="text"/> How many oil boiler fuel pumps?
<input checked="" type="checkbox"/> TRV's % rads with TRVs <input style="width: 50px;" type="text"/> 88%	<input type="checkbox"/> Partial UFH including living area	Oil fuel pump(s) outdoors <input type="checkbox"/>
<input type="checkbox"/> bypass	<input type="checkbox"/> Partial UFH not including living area	<input style="width: 50px;" type="text"/> How many gas boiler flue fans?
<input type="checkbox"/> load compensator		
<input type="checkbox"/> weather compensator		
<input type="checkbox"/> full zone control		
<input type="checkbox"/> boiler energy management system		
<input type="checkbox"/> delay start thermostat		
<input type="checkbox"/> boiler interlock		
<input type="checkbox"/> appliance thermostat		
<input type="checkbox"/> appliance timeclock		
Comments on Heating Controls		

Group Heating

Distribution Loss Factor and charge method	Heating system #1	Heating system #2	CHP / Waste Heat
<input type="checkbox"/> pre 1991 full flow mid-high temp: not pre-insulated	<input type="checkbox"/> efficiency %	<input type="checkbox"/> efficiency %	<input type="checkbox"/> % heat from CHP (or power station)
<input type="checkbox"/> pre 1991 full flow low temp: pre-insulated	<input type="checkbox"/> proportion of group heating %	<input type="checkbox"/> proportion of group heating %	<input type="checkbox"/> power station
<input type="checkbox"/> 1991 or later variable flow mid temp: pre-insulated	Fuel type of heating system	Fuel type of heating system	<input type="checkbox"/> CHP
<input type="checkbox"/> 1991 or later variable flow low temp: pre-insulated	Make and model of heating system	Make and model of heating system	CHP efficiencies
<i>See DEAP C1.1 for dist. loss factor derivation method</i>			<input type="checkbox"/> Electrical %
consumption charged: flat rate <input type="checkbox"/>			<input type="checkbox"/> Thermal %
linked to use <input type="checkbox"/>			Fuel <input style="width: 100px;" type="text"/>

Any other comments or details on assessment including items observed which affect the rating but not shown elsewhere on survey form/sketches.