

FLAT 2/1 , 127 HIGH STREET, DUMBARTON, G82 1LE

Dwelling type: Mid-floor flat
Date of assessment: 29 June 2020
Date of certificate: 29 June 2020
Total floor area: 27 m²
Primary Energy Indicator: 337 kWh/m²/year

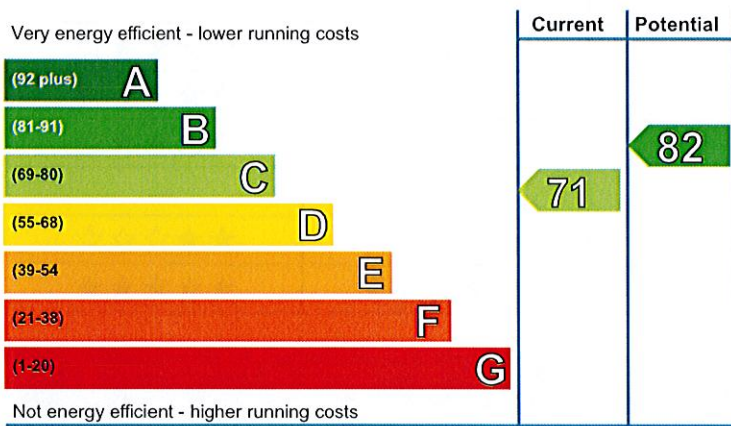
Reference number: 2513-1051-6236-8790-4224
Type of assessment: RdSAP, existing dwelling
Approved Organisation: Elmhurst
Main heating and fuel: Room heaters, electric

You can use this document to:

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£1,623	See your recommendations report for more information
Over 3 years you could save*	£684	

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions

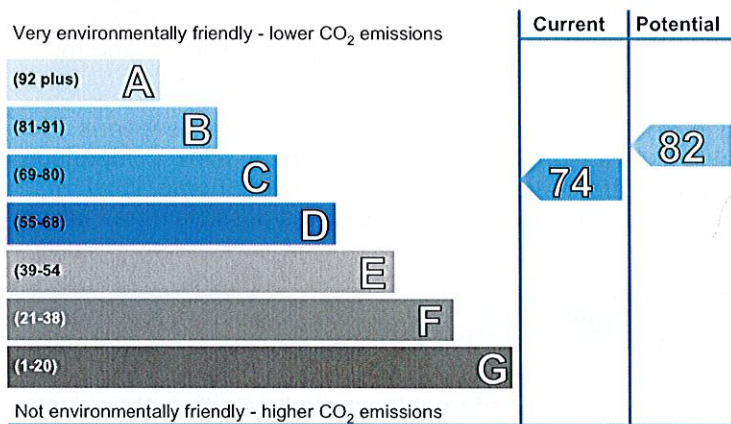


Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is **band C (71)**. The average rating for EPCs in Scotland is **band D (61)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.



Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO₂) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (74)**. The average rating for EPCs in Scotland is **band D (59)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

Recommended measures	Indicative cost	Typical savings over 3 years
1 Internal or external wall insulation	£4,000 - £14,000	£498.00
2 High heat retention storage heaters	£400 - £600	£189.00

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

To find out more about the recommended measures and other actions you could take today to stop wasting energy and money, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

THIS PAGE IS THE ENERGY PERFORMANCE CERTIFICATE WHICH MUST BE AFFIXED TO THE DWELLING AND NOT BE REMOVED UNLESS IT IS REPLACED WITH AN UPDATED CERTIFICATE

Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, no insulation (assumed)	★ ★ ☆ ☆ ☆	★ ★ ☆ ☆ ☆
	Sandstone or limestone, as built, partial insulation (assumed)	★ ★ ★ ☆ ☆	★ ★ ★ ☆ ☆
Roof	(another dwelling above)	—	—
Floor	(another dwelling below)	—	—
Windows	Fully double glazed	★ ★ ★ ★ ☆	★ ★ ★ ★ ☆
Main heating	Room heaters, electric	★ ☆ ☆ ☆ ☆	★ ★ ☆ ☆ ☆
Main heating controls	Appliance thermostats	★ ★ ★ ★ ☆	★ ★ ★ ★ ☆
Secondary heating	None	—	—
Hot water	Electric instantaneous at point of use	★ ☆ ☆ ☆ ☆	★ ★ ☆ ☆ ☆
Lighting	Low energy lighting in all fixed outlets	★ ★ ★ ★ ★	★ ★ ★ ★ ★

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO₂ emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 57 kg CO₂/m²/yr.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 1.5 tonnes of carbon dioxide every year. Adopting recommendations in this report can reduce emissions and protect the environment. If you were to install all of these recommendations this could reduce emissions by 0.4 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.





Estimated energy costs for this home

	Current energy costs	Potential energy costs	Potential future savings
Heating	£1,077 over 3 years	£333 over 3 years	
Hot water	£468 over 3 years	£519 over 3 years	
Lighting	£78 over 3 years	£87 over 3 years	
Totals	£1,623	£939	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

The measures below will improve the energy and environmental performance of this dwelling. The performance ratings after improvements listed below are cumulative; that is, they assume the improvements have been installed in the order that they appear in the table. Further information about the recommended measures and other simple actions to take today to save money is available from the Home Energy Scotland hotline which can be contacted on 0808 808 2282. Before carrying out work, make sure that the appropriate permissions are obtained, where necessary. This may include permission from a landlord (if you are a tenant) or the need to get a Building Warrant for certain types of work.

Recommended measures	Indicative cost	Typical saving per year	Rating after improvement	
			Energy	Environment
1 Internal or external wall insulation	£4,000 - £14,000	£166		
2 High heat retention storage heaters	£400 - £600	£63		

Alternative measures

There are alternative improvement measures which you could also consider for your home. It would be advisable to seek further advice and illustration of the benefits and costs of such measures.

- Biomass boiler (Exempted Appliance if in Smoke Control Area)
- Air or ground source heat pump

Choosing the right improvement package

For free and impartial advice on choosing suitable measures for your property, contact the Home Energy Scotland hotline on 0808 808 2282 or go to www.greenerscotland.org.

About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

1 Internal or external wall insulation

Internal or external wall insulation involves adding a layer of insulation to either the inside or the outside surface of the external walls, which reduces heat loss and lowers fuel bills. As it is more expensive than cavity wall insulation it is only recommended for walls without a cavity, or where for technical reasons a cavity cannot be filled. Internal insulation, known as dry-lining, is where a layer of insulation is fixed to the inside surface of external walls; this type of insulation is best applied when rooms require redecorating. External solid wall insulation is the application of an insulant and a weather-protective finish to the outside of the wall. This may improve the look of the home, particularly where existing brickwork or rendering is poor, and will provide long-lasting weather protection. Further information can be obtained from the National Insulation Association (www.nationalinsulationassociation.org.uk). It should be noted that a building warrant is required for the installation of external wall insulation. Planning permission may also be required and that building regulations apply to external insulation so it is best to check with your local authority on both issues.

2 High heat retention storage heaters

Modern storage heaters are less expensive to run than the direct acting, on-peak heating system in the property. A dual-rate electricity supply is required to provide the off-peak electricity that these heaters use; this is easily obtained by contacting the energy supplier. Ask for a quotation for high heat retention with automatic charge and output controls. Installations should be in accordance with the national wiring standards. Building regulations generally apply to this work and a building warrant may be required, so it is best to obtain advice from your local authority building standards department and from a qualified electrical heating engineer. Ask the heating engineer to explain the options, which might also include switching to other forms of electric heating.

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

You could receive Renewable Heat Incentive (RHI) payments and help reduce carbon emissions by replacing your existing heating system with one that generates renewable heat and, where appropriate, having your loft insulated and cavity walls filled. The estimated energy required for space and water heating will form the basis of the payments. For more information go to www.energysavingtrust.org.uk/scotland/rhi.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	1,966	N/A	N/A	(906)
Water heating (kWh per year)	856			

Addendum

This dwelling has stone walls and so requires further investigation to establish whether these walls are of cavity construction and to determine which type of wall insulation is best suited.

About this document

This Recommendations Report and the accompanying Energy Performance Certificate are valid for a maximum of ten years. These documents cease to be valid where superseded by a more recent assessment of the same building carried out by a member of an Approved Organisation.

The Energy Performance Certificate and this Recommendations Report for this building were produced following an energy assessment undertaken by an assessor accredited by Elmhurst (www.elmhurstenergy.co.uk), an Approved Organisation Appointed by Scottish Ministers. The certificate has been produced under the Energy Performance of Buildings (Scotland) Regulations 2008 from data lodged to the Scottish EPC register. You can verify the validity of this document by visiting www.scottishepcregister.org.uk and entering the report reference number (RRN) printed at the top of this page.

Assessor's name:	Mr. Blair Calderwood
Assessor membership number:	EES/021083
Company name/trading name:	Simply Diligent Limited
Address:	1 Simonsburn Road Ayrshire Kilmarnock KA1 5LA
Phone number:	07776 120114
Email address:	info@simplydiligent.co.uk
Related party disclosure:	No related party

If you have any concerns regarding the content of this report or the service provided by your assessor you should in the first instance raise these matters with your assessor and with the Approved Organisation to which they belong. All Approved Organisations are required to publish their complaints and disciplinary procedures and details can be found online at the web address given above.

Use of this energy performance information

Once lodged by your EPC assessor, this Energy Performance Certificate and Recommendations Report are available to view online at www.scottishepcregister.org.uk, with the facility to search for any single record by entering the property address. This gives everyone access to any current, valid EPC except where a property has a Green Deal Plan, in which case the report reference number (RRN) must first be provided. The energy performance data in these documents, together with other building information gathered during the assessment is held on the Scottish EPC Register and is available to authorised recipients, including organisations delivering energy efficiency and carbon reduction initiatives on behalf of the Scottish and UK governments. A range of data from all assessments undertaken in Scotland is also published periodically by the Scottish Government. Further information on these matters and on Energy Performance Certificates in general, can be found at www.gov.scot/epc.

Advice and support to improve this property

There is support available, which could help you carry out some of the improvements recommended for this property on page 3 and stop wasting energy and money. For more information, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

Home Energy Scotland's independent and expert advisors can offer free and impartial advice on all aspects of energy efficiency, renewable energy and more.

HOMEENERGYSCOTLAND.ORG
0808 808 2282
FUNDED BY THE SCOTTISH GOVERNMENT





ELECTRICAL INSTALLATION CERTIFICATE (SINGLE-SIGNATURE)

For use where design, construction, inspection and testing are the responsibility of one person
(REQUIREMENTS FOR ELECTRICAL INSTALLATIONS — BS 7671 [IET WIRING REGULATIONS])

SSC 194394

SELECT MEMBERSHIP NUMBER 12005

Copyright © The Electrical Contractors' Association of Scotland
This certificate is not valid if the number is defaced or altered

DETAILS OF THE CLIENT

JCR Developments

INSTALLATION ADDRESS

Unit 2, 25 Auchincroft Rd, Glasgow, G66 1HX

AVT 2/1, 127 High Street, Dumbarton, G82 1LE

DESCRIPTION AND EXTENT OF THE INSTALLATION

Description of installation: Revised EMT

Extent of installation covered by this Certificate: Full Installation Test

FOR DESIGN, CONSTRUCTION, INSPECTION AND TESTING

I being the person responsible for the Design, Construction, Inspection and Testing of the electrical installation (as indicated by my signature), particulars of which are described above, having exercised reasonable skill and care when carrying out the Design, Construction, Inspection and Testing hereby CERTIFY that the work for which I have been responsible is to the best of my knowledge and belief in accordance with BS 7671:2018, amended to (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671 (Regulations 120.3, 133.1.3 and 133.5) and comments on existing installation:

Details of permitted exceptions (Regulation 411.3.3):

Where applicable, a suitable risk assessment(s) must be attached to this Certificate. Risk assessment attached

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Nature of Supply Parameters	Number and Type of Live Conductors	Supply Protective Device Characteristics	Distributor's facility	Earthing arrangements
Nominal voltage <u>230</u> V Prospective fault current, I _{pf} <u>995</u> KA Nominal frequency <u>50</u> Hz External loop impedance, Z _e <u>0.11</u> Ω	1-phase, 2-wire <input type="checkbox"/> 2-phase, 3-wire <input type="checkbox"/> 3-phase, 3-wire <input type="checkbox"/> 3-phase, 4-wire <input type="checkbox"/>	<input checked="" type="checkbox"/> BS (EN): <u>1361</u> Type: <u>S</u> Rated current: <u>100</u> A	<input type="checkbox"/> TN-S <input checked="" type="checkbox"/> TN-C-S <input type="checkbox"/> TT <input type="checkbox"/> Other sources of supply	<input type="checkbox"/> Installation earth electrode Type (e.g. rod(s), tape etc) Location <input type="checkbox"/> Electrode resistance to earth Ω

PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE

Maximum Demand	Main Switch / Switch-Fuse / Circuit-Breaker / RCD	Main Protective Conductors
Load kVA/Amps (delete as appropriate) Polarity and Phase Sequence Supply polarity confirmed <input checked="" type="checkbox"/> Phase sequence confirmed <input checked="" type="checkbox"/>	Location: <u>Main</u> Current rating: <u>100</u> A Fuse/device rating or setting: <u>100</u> A Voltage rating: <u>230</u> V If RCD main switch Rated residual operating current (I _{Δn}): <u>30</u> mA Rated time delay: <u>0.1</u> ms Measured operating time (at I _{Δn}): <u>0.3</u> ms	Earthing conductor: Material <u>Copper</u> csa <u>16</u> mm ² Connection / continuity verified <input checked="" type="checkbox"/> Main protective bonding conductors: Material <u>Copper</u> csa <u>16</u> mm ² Connection / continuity verified <input checked="" type="checkbox"/> To water installation pipes <input checked="" type="checkbox"/> To gas installation pipes <input type="checkbox"/> To oil installation pipes <input type="checkbox"/> To structural steel <input type="checkbox"/> To lightning protection <input type="checkbox"/> To other <input type="checkbox"/> Specify:

ELECTRICAL INSTALLATION CERTIFICATE (SINGLE- SIGNATURE)

GUIDANCE FOR RECIPIENTS

This safety Certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed, inspected and tested in accordance with British Standard 7671 (the IET Wiring Regulations).

You should have received an 'original' Certificate and the contractor should have retained a duplicate. If you were the person ordering the work, but not the owner of the installation, you should pass this Certificate, or a full copy of it including the schedules, immediately to the owner.

The 'original' Certificate should be retained in a safe place and be shown to any person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this Certificate will demonstrate to the new owner that the electrical installation complied with the requirements of British Standard 7671 at the time the Certificate was issued. The Construction (Design and Management) Regulations require that, for a project covered by those Regulations, a copy of this Certificate, together with schedules, is included in the project health and safety documentation.

For safety reasons, the electrical installation will need to be inspected at appropriate intervals by one or more skilled persons competent in such work. The maximum time interval recommended before the next inspection is stated on Page 1 of this Certificate.

This Certificate is intended to be issued only for a new electrical installation or for new work associated with an addition or alteration to an existing installation. It should not have been issued for the inspection and testing of an existing electrical installation. An 'Electrical Installation Condition Report' should be issued for such an inspection.

This Certificate is only valid if accompanied by the Schedule of Inspections and the Schedule(s) of Test Results.

The personal data entered on this form is gathered because it is necessary in order to allow the discharging of a contract, and to support the legitimate business interests of the contractor. If you would like to know more about your personal data rights under GDPR, please ask your contractor for more information, or visit www.ico.org.uk.



SCHEDULE OF INSPECTIONS

(for new installation work only)

SSC 194394

Note 1: All items inspected to confirm, as appropriate, compliance with the relevant clauses in BS 7671. The list of items and associated examples, where given, are not exhaustive.

Note 2: Insert Outcome for each item as follows:

To indicate that an inspection has been carried out and the result is satisfactory: ✓
To indicate that the inspection is not applicable to a particular item: N/A

Item No	DESCRIPTION	Outcome (Note 2)
1.0 EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)		
1.1	Service cable	✓
1.2	Service head	✓
1.3	Earthing arrangement	✓
1.4	Meter tails	✓
1.5	Metering equipment	✓
1.6	Isolator (where present)	✓
2.0 PARALLEL OR SWITCHED ALTERNATIVE SOURCES OF SUPPLY		
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	✓
2.2	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	✓
3.0 AUTOMATIC DISCONNECTION OF SUPPLY		
3.1 Presence & adequacy of earthing & protective bonding arrangements:		
a)	Distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	✓
b)	Installation earth electrode where applicable (542.1.2.3; 542.2)	✓
c)	Earthing conductor and connections, including accessibility (542.3; 543.1.1; 543.3.2)	✓
d)	Main protective bonding conductors and connections including accessibility (411.3.1.2; 543.3.2; 544.1)	✓
e)	Provision of safety electrical earthing/bonding labels at all appropriate locations (514.13)	✓
3.2	RCD(s) provided for fault protection (411.4.204; 411.5; 531.3)	✓
4.0 BASIC PROTECTION		
4.1 Presence and adequacy of measures to provide basic protection (prevention of contact with live parts) within the installation:		
a)	Insulation of live parts e.g. conductors completely covered with durable insulating material (416.1)	✓
b)	Barriers or enclosures e.g. correct IP rating (416.2)	✓
5.0 ADDITIONAL PROTECTION		
5.1 Presence and effectiveness of additional protection methods:		
a)	RCD(s) not exceeding 30 mA operating current (415.1; Part 7)	✓
	See item 8.14 of this schedule	✓
b)	Supplementary bonding (415.2; Part 7)	✓
6.0 OTHER METHODS OF PROTECTION		
6.1 Presence and effectiveness of methods which give both basic and fault protection:		
a)	SELV systems including the source & associated circuits (Section 414)	✓/A
b)	PELV systems including the source & associated circuits (Section 414)	✓/A
c)	Double or reinforced insulation i.e. Class II or equivalent equipment and associated circuits (Section 412)	✓/A
d)	Electrical separation for one item of equipment e.g. shaver supply unit (Section 413)	✓/A

Item No	DESCRIPTION	Outcome (Note 2)
7.0 CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)		
7.1	Adequacy of access and working space for items of electrical equipment including switchgear (132.12; 513.1)	✓
7.2	Components are suitable according to assembly manufacturer's instructions or literature (536.4; 203)	✓
7.3	Presence of linked main switch(es) (462.1.201)	✓
7.4	Isolators, for every circuit or group of circuits and all items of equipment (462.2; Section 537)	✓
7.5	Suitability of enclosure(s) for IP and fire ratings (416.2; 421.1.6; 421.1.201; 526.5)	✓
7.6	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)	✓
7.7	Confirmation that ALL conductor connections are correctly located in terminals and are tight and secure (526.1)	✓
7.8	Avoidance of heating effects where cables enter ferromagnetic enclosures e.g. steel (521.5)	✓
7.9	Selection of correct type & rating of protective devices for overcurrent & fault protection (Sections 411, 432, 433)	✓
7.10	Presence of appropriate circuit charts, warning and other notices:	✓
a)	Provision of circuit charts/schedules or equivalent forms of information (514.9)	✓
b)	Warning notice of method of isolation where live parts not capable of being isolated by a single device (514.11)	✓
c)	Periodic inspection and testing notice (514.12.1)	✓
d)	RCD six-monthly test notice, where required (514.12.2)	✓
e)	AFDD six-monthly test notice, where required (421.1.7; 532.6; 643.10)	✓
f)	Warning notice of non-standard (mixed) colours of conductors present (514.14)	✓
7.11	Presence of labels to indicate the purpose of switchgear and protective devices (514.1.1; 514.8)	✓
8.0 CIRCUITS		
8.1	Adequacy of conductors for current-carrying capacity with regard to type and nature of the installation (Section 523)	✓
8.2	Cable installation methods suitable for the location(s) and external influences (Section 522)	✓
8.3	Segregation/separation of Band I (ELV) & Band II (LV) circuits, & electrical & non-electrical services (Section 528)	✓/A
8.4	Cables correctly erected and supported throughout, with protection against abrasion (Sections 521, 522)	✓
8.5	Provision of fire barriers, sealing arrangements where necessary (527.2)	✓
8.6	Non-sheathed cables enclosed throughout in conduit, ducting or trunking (521.10.1; 526.8)	✓
8.7	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (522.6)	✓
8.8	Conductors correctly identified by colour, lettering or numbering (Section 514)	✓
8.9	Presence, adequacy and correct termination of protective conductors (411.3.1.1; 543.1)	✓
8.10	Cables and conductors correctly connected, enclosed and with no undue mechanical strain (Section 526)	✓
8.11	No basic insulation of a conductor visible outside enclosure (526.8)	✓
8.12	Single-pole devices for switching or protection in line conductors only (132.14.1; 530.3.3; 643.6)	✓
8.13	Accessories not damaged, securely fixed, correctly connected, suitable for external influences (134.1.1; 512.2; Section 526)	✓
8.14	Provision of additional protection/requirements by RCD not exceeding 30 mA (415.1):	✓
a)	Socket-outlets rated at 32 A or less, unless exempt (411.3.3)	✓
b)	Supplies for mobile equipment with a current rating not exceeding 32 A for use outdoors (411.3.3)	✓
c)	Cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)	✓
d)	Cables concealed in walls/partitions containing metal parts regardless of depth (522.6.202; 522.6.203)	✓
e)	Final circuits supplying luminaires within domestic (household) premises (411.3.4)	✓
8.15	Presence of appropriate devices for isolation and switching correctly located including:	✓
a)	Means of switching off for mechanical maintenance (Section 464; 537.3.2)	✓/A
b)	Emergency switching off (Section 465; 537.3.3)	✓/A
c)	Functional switching, for control of parts of the installation and current-using equipment (463.1; 537.3.1)	✓/A
d)	Firefighter's switches (537.4)	✓/A
9.0 CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)		
9.1	Equipment not damaged, securely fixed and suitable for external influences (134.1.1; 416.2; 512.2)	✓/A
9.2	Provision of overload and/or undervoltage protection e.g. for rotating machines, if required (Sections 445, 552)	✓/A
9.3	Installed to minimise the build-up of heat and restrict the spread of fire (421.1.4; 559.4.1)	✓
9.4	Adequacy of working space / accessibility to equipment (132.12; 513.1)	✓
10.0 LOCATIONS CONTAINING A BATH OR SHOWER (SECTION 701)		
10.1	30 mA RCD protection for all LV circuits, equipment suitable for zones, supplementary bonding (where required) etc.	✓
11.0 OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS		
11.1	List all other special installations or locations present, if any (Record separately the results of particular inspections applied)	✓/A

CIRCUIT CHART AND SCHEDULE OF TEST RESULTS (18 CIRCUITS)



DB Reference No. CHASTICE DAL 63

DB Location & Type

Phase sequence confirmed (where appropriate)

Details of circuits and/or installed equipment vulnerable to damage when testing

Z_s at DB 0.11 Ω
 I_p at DB 995 KA

Correct supply polarity confirmed

CIRCUIT DETAILS

No.	Circuit Description	No. of Points (see code below)	Type (see code below)	Wiring Details		Protective Device (Lowest breaking capacity (KA))	Continuity		#Insulation Resistance (Lowest values measured) MΩ	Z _s (Max. measured values) Ω	RCD Protection		Functional tests of switch-gear etc.*	Remarks		
				Conductor csa	Ref. Method †		R ₁ +R ₂ or R ₂ Ω	Ring Final Circuit Ω			Po-larity	I _{Δn} mA			RCDS (500% test for RCDS rated at 30 mA or less only)	
															Live cpc	Type
1	LIGHTS	5	A	1	0.5	B	6	1.12				30	34.1	14.9	✓	Indicate points of note e.g.: • Additional outlets or equipment supplied • Provision of AFDD for circuit • Reduced IR test voltage
2	TOILET LIGHT	1	A	2.5	1.5	B	16	6.21			30	34.1	14.9	✓		
3	DOOR HEATER	1	A	2.5	1.5	B	16	6.23			30	34.1	14.9	✓		
4	KITCHEN FUSE	5	A	2.5	1.5	B	22	6.24	0.27	0.27	0.54	30	34.1	14.9	✓	
5	SHOWER	2	A	10	6	B	40	6.69			30	34.1	14.9	✓		
6	SMOKERS	2	A	1	0.5	D	6	0.94			30	32.1	10.2	✓		
7	WANEL HEATER	2	A	2.5	1.5	B	16	0.27			30	32.1	10.2	✓		
8	LAUNDRY HEATER	1	A	2.5	1.5	B	16	0.24			30	32.1	10.2	✓		
9	HOUSE FUSE	4	A	2.5	1.5	B	32	6.3	0.3	0.3	0.61	30	32.1	10.2	✓	
10	COVERER	2	A	6	4	B	32	0.13			30	32.1	10.2	✓		

† Insert Reference Method (see Table 4A2 from BS 7671 Appendix 4)

#IR test voltage 500 V DC unless stated in 'Remarks'

*Includes RCD and/or AFDD test button

TEST INSTRUMENTS USED

Code for Wiring Type	A		B		C		D		E		F		G		H		O (Other - please specify)		
	PVC/PVC	PVC in Metal Conduit	PVC in Plastic Conduit	PVC in Metal Trunking	PVC in Plastic Trunking	PVC/SWA	XLPE/SWA	Mineral Insulated											
Manufacturer	Type	Serial No.	Date Accuracy Verified	Manufacturer	Type	Serial No.	Date Accuracy Verified	Manufacturer	Type	Serial No.	Date Accuracy Verified	Manufacturer	Type	Serial No.	Date Accuracy Verified	Manufacturer	Type	Serial No.	Date Accuracy Verified
KT63	MVMSI/STAN/STAN	235470	✓																

