STATUTORY INSTRUMENTS

1980 No. 154

CIVIL AVIATION

The Gatwick Airport—London Noise Insulation Grants Scheme 1980

Made - - - -	*6th February* 1980
Laid before Parliament	*15th February* 1980
Coming into Operation	*1st April* 1980

Whereas it appears to the Secretary of State that dwellings near Gatwick Airport—London, being a designated aerodrome within the meaning of section 29 of the Civil Aviation Act 1971(a), require further protection from noise and vibration attributable to the use of the aerodrome than can be given by virtue of that section;

Now, therefore, the Secretary of State, in exercise of the powers conferred on him by section 29A of the Civil Aviation Act 1971(b), and of all other powers enabling him in that behalf and after consultation with the British Airports Authority (being the relevant manager for the purposes of the said section 29A), hereby makes the following Scheme:

Citation and commencement

1. This Scheme may be cited as the Gatwick Airport—London Noise Insulation Grants Scheme 1980 and shall come into operation on 1st April 1980.

Interpretation

2. In this Scheme—

"the BAA" means the British Airports Authority;

"earlier schemes" means the Gatwick Airport—London Noise Insulation Grants Scheme 1973(c) and the Gatwick Airport—London Noise Insultation Grants Scheme 1975(d);

"eligible dwelling" means a dwelling to which this Scheme applies under Article 4;

"flueless combustion appliance" means an appliance designed for use without connection to a flue system, the products of combustion being allowed to mix with the air of the room in which the appliance is situated;

"insulation works" means works carried out in order to insulate dwellings, or parts of dwellings, against noise.

(a) 1971 c. 75.
(b) Inserted by Section 25(1) of and Schedule 5 to the Airports Authority Act 1975 (c. 78) as amended by paragraph 6(8) of Schedule 1 to the Civil Aviation Act 1978 (c. 8).
(c) S.I. 1973/617.
(d) S.I. 1975/916, as varied by S.I. 1977/814 and S.I. 1978/1797.

Revocation

3. The Gatwick Airport—London Noise Insulation Grants Scheme 1975(a), the Gatwick Airport—London Noise Insulation Grants (Amendment) Scheme 1977(b) and the Gatwick Airport—London Noise Insulation Grants (Second Amendment) Scheme 1978(c) are hereby revoked.

Dwellings to which the Scheme applies

4.—(1) This Scheme applies to all dwellings, being dwellings the construction of which was completed before 1st April 1980, wholly or partly situated within the area delineated by a red line on the map marked "Gatwick Airport—London Noise Insulation Grants Scheme 1980" sealed with the Official Seal of the Secretary of State for Trade and deposited at the office of the Departmental Record Officer, 1 Victoria Street, London, S.W.1.

(2) For the purposes of this Scheme—

(*a*) all bedrooms and a maximum of two living rooms in a dwelling shall qualify for insulation works:

Provided that—

(i) a room used, or intended for use, only as a kitchen or scullery, or a room in which there is installed a flueless combustion appliance (including a gas cooker), and

(ii) any room added to a dwelling, if the addition was completed after 31st March 1980,

shall not be eligible for insulation;

(*b*) a dwelling converted into two or more dwellings shall be treated as a single dwelling if the conversion was completed after 31st March 1980.

Local authorities to act as agents of the British Airports Authority

5.—(1) Each local authority specified in Schedule 1 to this Scheme shall, subject to and in accordance with this Scheme, act as agents of the BAA in dealing with applications from persons other than that local authority for, and payments of, grants under this Scheme in respect of eligible dwellings within the area of that local authority.

(2) The BAA shall reimburse each local authority for the amounts paid by them as agents of the BAA by way of grants under this Scheme.

(3) The BAA shall pay to each local authority such sums as may be reasonable in respect of the services rendered by that authority to the BAA as its agents under this Scheme.

Persons to whom grants are to be paid by the British Airports Authority

6. Subject to the provisions of this Scheme, the BAA shall make a grant in respect of an eligible dwelling to any person who has applied for the grant at a time when—

(*a*) he is the occupier of the dwelling, or

(*b*) if the dwelling is unoccupied at that time, he is entitled to be the occupier, or

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(a) S.I. 1975/916. (b) S.I. 1977/814. (c) S.I. 1978/1797.

(*c*) if there is a tenancy or licence of the dwelling, he is the immediate landlord or licensor of the occupier or, if the dwelling is unoccupied, of the person entitled to be the occupier,

and the amount of the grant shall be recoverable by that person from the BAA as a debt due to him:

Provided that—

(i) if two or more persons have applied for a grant in respect of the insulation of the same room, otherwise than as joint applicants, the grant shall be paid only to the applicant otherwise entitled to it whose application was first received by the local authority unless such application shall be withdrawn;

(ii) a grant shall not be paid to any person, if he claims the grant by reason of being the landlord or the licensor of the dwelling, unless he was entitled to an interest in that dwelling on 1st April 1980, whether as holder of the fee simple or otherwise; or in any other case unless on that date he resided or was entitled to reside in that dwelling, disregarding any tenancy or licence held by any other person;

(iii) a grant shall not be paid if the dwelling is, at the time when the application is lodged, the subject of a tenancy or licence unless the applicant, being the tenant or licensee, certifies that he has obtained any requisite consent of the landlord or licensor, or being the landlord or licensor, certifies that he has obtained any requisite consent of the tenant or licensee.

Conditions upon compliance with which the payment of grant is dependent

7.—(1) Subject to paragraph (2) of this Article, the payment of a grant in respect of an eligible dwelling under this Scheme shall be dependent upon compliance with the following conditions:

(*a*) the applicant shall, on or before 31st March 1983 and before the start of the insulation works to which the application relates, have lodged an application in writing for the grant with the local authority specified in Schedule 1 to this Scheme in whose area the dwelling is situated;

(*b*) the applicant shall, before the start of the insulation works to which the application relates, have received from the local authority with whom he has lodged his application a written statement indicating whether in the opinion of that authority the application will qualify for a grant under this Scheme and if not, for what reasons;

(*c*) the application shall have included:

(i) the address of the dwelling;

(ii) the name and address of the applicant, together with a statement whether he claims to be entitled to a grant as occupier, landlord or otherwise;

(iii) such information as will indicate whether the applicant is qualified for a grant notwithstanding provisos (ii) and (iii) to Article 6 of this Scheme;

(iv) brief specifications of the proposed insulation works in each bedroom and living room to be insulated, including an estimate of the cost per room and the total cost; and

(v) a statement that the proposed insulation works will conform to Schedule 2 to this Scheme;

(*d*) the applicant shall have provided the local authority with sufficient evidence that the insulation works to which the application relates have been completed and of their actual cost;

(*e*) the insulation works to which the application relates shall conform to Schedule 2 to this Scheme;

(*f*) the insulation works to which the application relates shall have been completed before 1st April 1985.

(2) If the applicant is the local authority referred to in paragraph (1) of this Article only conditions (*c*), (*e*) and (*f*) in that paragraph shall apply, and the local authority shall, on or before 31st March 1983 and before any of the insulation works are started, have lodged with the BAA an application in writing for the grant, and shall have subsequently certified that the work has been done, the date it was completed and that it complies with condition (*e*), which certificate shall not, however, be conclusive.

Amount of grant

8.—(1) Subject to the following paragraphs of this Article, the rate of grant in respect of an eligible dwelling shall be 100 per cent of the actual cost of the insulation works reasonably incurred in respect of items required or permitted by Schedule 2 to this Scheme.

(2) The total amount of grant payable under this Scheme in respect of any one eligible dwelling shall not exceed the total of the sums specified in the second column of the following table in relation to the items specified in the first column (whether or not those items are included in the insulation works done under this Scheme in respect of that dwelling):—

TABLE

(*a*) double windows	£42 per square metre
(*b*) vent type 'A' or permanent vent type 'A'	£35 per unit
(*c*) inlet fan ventilator system	£75 per system
(*d*) second door for each external door opening directly into an insulated room	£40 per square metre
(*e*) blocking up of each chimney in an insulated room	£20,

less any grant paid under the earlier schemes.

(3) The maximum cost recoverable by way of grant in respect of each of the items specified in subparagraphs (*a*) to (*e*) of the above table shall not exceed the amount specified in the second column of that table in relation to that item and where there is to be installed a combined ventilator system (in place of a separate vent and ventilator) or any Venetian blinds, the maximum cost recoverable in respect of those items by way of grant shall not exceed the amount specified in the second column of the following table in relation to those items as specified in the first column:—

TABLE

(*a*) combined ventilator system	£85 per system
(*b*) Venetian blinds	£11 per square metre

(4) Where the permitted works include the provision of:

(i) Venetian blinds, where appropriate; and

(ii) the making good of existing fabric and decoration,

and by reason of the inclusion of any such item the cost of the insulation works carried out exceeds the total amount of the grant payable under this Article in respect of the insulation works specified in (*a*) to (*e*) of the table in paragraph (2) of this Article, the cost in excess of that amount shall be payable by the applicant.

(5) No grant shall be payable for the blocking of chimneys in the case of a dwelling which is a public authority dwelling.

(6) No work carried out under this Scheme in a dwelling where insulation work has been carried out under the earlier schemes or under the Noise Insulation Regulations 1975(**a**) shall include replacement of or repairs to the double windows, vent or permanent vent, inlet fan ventilator system, combined ventilator system, chimney blocking, Venetian blinds, or second door installed under any such scheme.

(7) For the purposes of paragraph (5) of this Article "public authority dwelling" means a dwelling which is let or available for letting and where the interest of the immediate landlord, or the person who would be the immediate landlord if the dwelling were let, belongs to one of the following bodies:—

(*a*) the Commission for the New Towns;

(*b*) a development corporation within the meaning of the New Towns Act 1965(**b**);

(*c*) the Housing Corporation;

(*d*) a housing association for the time being registered in the register of housing associations established under section 13 of the Housing Act 1974(**c**), other than one whose rules restrict membership to persons who are tenants or prospective tenants of the association, and preclude the granting or assigning of tenancies to persons other than members;

(*e*) a district council, provided that the dwelling forms part of the Housing Revenue Account under section 12 of the Housing Finance Act 1972(**d**).

(8) For the purposes of paragraph (7) of this Article a dwelling which is "let" means a dwelling which is subject to a tenancy (other than one which was granted for a term of years certain exceeding 7 years), or a dwelling subject to a licence to occupy, and "letting" shall be construed accordingly.

Reasons to be given for refusal of application

9. If an application for a grant under this Scheme is refused the BAA shall, if so requested by the applicant, give him a written statement of its reasons for the refusal.

Norman Tebbit,
Parliamentary Under-Secretary of State,
Department of Trade.

6th February 1980.

(**a**) S.I. 1975/1763. (**b**) 1965 c. 59. (**c**) 1974 c. 44. (**d**) 1972 c. 47.

SCHEDULE 1

Articles 5(1) and 7(1)(*a*)

Surrey

Mole Valley District Council
Reigate and Banstead District Council
Tandridge District Council

West Sussex

Crawley Borough Council
Horsham District Council

SCHEDULE 2

Articles 7(1)(*c*)(v), 7(1)(*e*) and 8

STANDARDS FOR INSULATION WORKS

Interpretation

1. In this Schedule—

"flued combustion appliance" means an appliance, other than an open fire, designed to be connected to an open flue system, its combustion air being drawn from the room in which it is installed;

"open fire" means a domestic appliance with a permanent front opening which distributes its heat to the room in which it is situated, either by radiation alone, or by radiation and convection;

"room sealed appliance" means an appliance which, when in operation, has the combustion air inlet and the combustion products outlet isolated from the room in which the appliance is fitted.

Items required to be included in insulation works

2. Subject to the provisions of this paragraph and of paragraph 3 below, the insulation works done under this Scheme shall include the replacement by or conversion to double windows of all existing windows in each room in which there are to be insulation works under this Scheme in accordance with the specification in paragraph 5 of this Schedule, and the provision and installation in each room in which there are to be insulation works under this Scheme of—

(1) where there is no combustion appliance in the room or where one or more room sealed appliances and no other combustion appliance is in the room, a permanent vent type 'A' communicating directly with the external air at the highest level which is reasonably practicable in an external wall of the room conforming to the specfications in paragraph 8(5) of this Schedule, except that this paragraph shall not apply where a combined ventilator system is to be provided and installed under paragraph 4(1)(*b*) of this Schedule;

(2) where an open fire and no other combustion appliance is in the room

(*a*) two permanent vents type 'A' as referred to in paragraph 2(1) above, or

(*b*) one permanent vent type 'A' as referred to in paragraph 2(1) above, together with one inlet fan ventilator unit plus air supply duct with external cowl or grill as specified in paragraph 4(1)(*a*) of this Schedule, or

(*c*) one combined ventilator system as specified in paragraph 4(1)(*b*) of this Schedule;

(3) where one or more flued combustion appliances, and no other combustion appliance, are present in the room and

(A) where no mechanical ventilation is present or is to be installed, a permanent vent type 'A' or an appropriate number of permanent vents type 'A' as referred to in paragraph 2(1) above to provide a total effective area which shall not be less than the effective area in square millimetres calculated from 550H (where H is the total output rating in kilowatts of flued combustion appliances present in the room) so however that

(*a*) the total effective area provided shall be not less than 3,250 square millimetres, and

(*b*) the total effective area provided in square millimetres shall be not less than the cross-sectional area of flue connection in square millimetres;

(B) where mechanical ventilation is to be installed, either

(*a*) an inlet fan ventilator unit plus air supply duct with external cowl or grill as specified in paragraph 4(1)(*a*) of this Schedule, together with a permanent vent type 'A' or an appropriate number of permanent vents type 'A' as referred to in paragraph 2(1) above, so that the total effective area provided by the permanent vent or vents shall not be less than the effective area in square millimetres calculated from 550H minus 3,250 (where H is the total output rating in kilowatts of flued combustion appliances present in the room) so however that

(i) the total effective area provided by the permanent vent or vents shall not be less than 3,250 square millimetres, and

(ii) the total effective area in square millimetres provided by the permanent vent or vents added to 3,250 shall not be less than the cross-sectional area of flue connection in square millimetres, or

(*b*) a combined ventilator system as specified in paragraph 4(1)(*b*) of this Schedule and, where necessary to ensure that the effective area of the air path through the combined ventilator system calculated in accordance with the provisions of paragraph 9 of this Schedule (together with the total effective area provided by any permanent vent or vents) shall not be less than the effective area in square millimetres calculated from 550H (where H is the total output rating in kilowatts of flued combustion appliances present in the room), a permanent vent type 'A' or an appropriate number of permanent vents type 'A', as referred to in paragraph 2(1) above, so however that the total effective area in square millimetres provided by the combined ventilator system and any permanent vent or vents shall not be less than the cross-sectional area of the flue connection in square millimetres;

(4) where more than one open fire, or one or more open fires and one or more flued combustion appliances are present in the room and

(*a*) where no mechanical ventilation is present or is to be installed, two or more permanent vents type 'A', as appropriate, as referred to in paragraph 2(1) above, so as to introduce combustion air ventilation into the room in sufficient quantity to ensure the safe operation of the combustion appliances, so however that the total effective area provided by the permanent vent or vents shall not be less than 6,500 square millimetres;

(*b*) where mechanical ventilation is to be installed, either

(i) an inlet fan ventilator unit plus air supply duct with external cowl or grill as specified in paragraph 4(1)(*a*) of this Schedule, together with a permanent vent type 'A' or an appropriate number of permanent vents type 'A' as referred to in paragraph 2(1) above, so

as to introduce combustion air ventilation into the room in sufficient quantity to ensure the safe operation of the combustion appliances, so however that the total effective area provided by the permanent vent or vents shall not be less than 3,250 square millimetres, or

(ii) a combined ventilator system as specified in paragraph 4(1)(*b*) of this Schedule, and, where necessary to ensure that combustion air ventilation is introduced into the room in sufficient quantity to ensure the safe operation of the combustion appliances, a permanent vent type 'A' or an appropriate number of permanent vents type 'A' as referred to in paragraph 2(1) above.

Provided that:

(*a*) Where a room to be insulated under this Scheme contains only a room sealed appliance or no combustion appliance, the air path through the ventilator system and the vent type 'A' may be made capable of being easily closed by a suitable means readily accessible within the room if in all other respects including standard of construction and installation, the ventilator system and vent type 'A' when opened to the maximum extent conform to the standard of ventilation and acoustic performance specified in paragraphs 7 and 8 of this Schedule and, whether opened or closed, meet the requirements for electrical and fire safety referred to in paragraphs 7(5) and 8(4) of this Schedule;

(*b*) the works may consist of, or include, items different from those specified in this paragraph if the standards of ventilation (including air admitted for the purpose of combustion) and acoustic performance provided by such items are not less than those which would have been provided by items specified in this paragraph;

(*c*) where any item or part of an item is provided otherwise than under this Scheme and complies with the relevant specifications in this Schedule, it shall not be required to be duplicated as a condition for payment of a grant under this Scheme.

3. Where any rooms insulated under the earlier schemes have ventilator systems installed conforming to the specifications in that scheme and where there is any flued combustion appliance of any output rating in the room, a vent or vents may be installed provided that the total effective area provided by an appropriate number of permanent vents type 'A' shall be not less than the effective area in square millimetres calculated from 550H–1,940 (where H is the total output rating in kilowatts of flued combustion appliances present in the room) so, however, that the total effective area provided shall be not less than 3,250 square millimetres and the total effective area provided in square millimetres added to 1,940 shall be not less than the cross-sectional area of the flue connection in square millimetres.

Items permitted to be included in insulation works

4. In addition to the items referred to in paragraph 2 of this Schedule the insulation works done under this Scheme may include only the following items:—

(1) where no inlet fan ventilator system or combined ventilator system is to be provided under paragraph 2 of this Schedule, either

(*a*) (i) the provision and installation in each room in which there are to be insulation works under this Scheme of one inlet fan ventilator unit of a type conforming to the standards of ventilation and acoustic performance specified in paragraph 7 of this Schedule including connecting the ventilator unit by wiring of not less than 5 amps capacity to the nearest convenient point and in the existing electric supply circuit or to the electric mains switchboard, and

(ii) the provision of an air supply duct with external cowl or grill in accordance with the specification in paragraph 7 of this Schedule, in an external wall of each room in which there are to be insulation works under this Scheme for supplying fresh air to the ventilator

unit and the blocking up of any existing airbrick, provided that flues and direct inlet ducts to combustion appliances in use shall not be blocked; or

(*b*) the provision and installation of a combined ventilator system in accordance with the specification in paragraph 9 of this Schedule;

(2) the provision of a second door behind or in front of any external door opening directly into an insulated room, the shortest horizontal distance between the two doors being not less than 150 millimetres, at least one of the doors being weather-stripped, and the ceiling and walls between the doors being lined with sound absorbent material;

(3) blocking at fireplace level, by means of board of a minimum weight of 10 kilogrammes per square metre adequately sealed round the edges, of chimneys into rooms which have been insulated in accordance with paragraph 2 of this Schedule: provided that flues to existing combustion appliances shall not be blocked;

(4) the provision of Venetian blinds between the double windows in a room insulated under this Scheme or the earlier schemes which faces in a 270° arc between north-east and north-west such blind being of a size and thermal specification prescribed in paragraph 6 of this Schedule;

(5) making good the existing fabric and decoration (not including curtains) after the installation of double windows, ventilation equipment and second doors, including the adaptation of any existing pelmet and curtain track.

Specification for Windows

5. The existing window shall either be retained and converted to a double window by the installation of a new inner window or be replaced by a new double window, if this is essential, and the following conditions shall be complied with:—

(1) any gaps in the outer window shall be effectively sealed by compressible resilient strip or other means;

(2) the inner window may be framed in wood, metal or plastics, and shall be well fitted into the existing window reveal or planted on the wall face round the reveal, with the junction between the wall and window frame fully sealed by means of mastic packing, cover strips or other equally effective means, and shall be glazed with glass having a thickness of not less than 3 millimetres;

(3) both the outer and inner windows shall be adequately openable for direct ventilation and for cleaning purposes and for means of escape in case of fire, but with the opening lights of the inner window well sealed round their edges either by compressible resilient strip or other equally effective means;

(4) if the window is a bay window or bow window, the inner window shall either follow the shape of the outer window or shall be taken straight across the bay or bow, and any projecting surround or window board required to close off the window cavity shall have a weight of not less than 10 kilogrammes per square metre;

(5) at least two reveals of the window opening between the outer and inner window shall be lined with sound absorbent material;

(6) the shortest horizontal distance or, in the case of a bay window or bow window where the inner window is taken straight across the bay or bow, the mean horizontal distance, between the glass of the outer window and the glass of the inner window shall be not less than the distance specified in the second column of Table 1 below in relation to the thickness of glass of the inner window specified in the first column of that Table:

TABLE 1

Less than 4 mm and not less than 3 mm thick	200 mm
Less than 6 mm and not less than 4 mm thick	150 mm
6 mm thick or more	100 mm

Specification for Venetian blinds

6. Venetian blinds where fitted shall be placed between the panes of double windows, and the following conditions shall be complied with:—

(1) the surface of the slats shall be white or near white;

(2) the ratio of width to spacing of the slats shall be between 1.15:1 and 1.25:1;

(3) the blind shall have horizontal slats, capable of being raised or lowered, and the slats shall be adjustable in angle of tilt, the control being either:

(i) by a single continuous cord operating both the raising and lowering and the tilting mechanisms from one end of the blind box, or

(ii) by controls for the raising and lowering and the tilting mechanisms at either end of the blind box;

(4) the controls specified in paragraph (3) above shall, where practicable, be readily accessible within the room with the windows fully closed;

(5) the opening for control cords shall be sealed or kept to the minimum necessary for smooth operation;

(6) the blind box shall be fitted to the top window reveal or frame head, between the panes of the double windows, the length of the slats shall be between 10 millimetres and 30 millimetres less than the length of the recess at its narrowest point, and the blind shall be capable of extending to the lowest level of the glazing of the outer window.

Specification for inlet fan ventilator systems

7. The ventilator system shall consist of a sound attenuating inlet fan ventilator unit and an air supply duct protected by a cowl or grill; such air supply duct and cowl or grill may be of separate construction from the ventilator unit or integral with it but the following conditions shall be complied with:—

(1) the air supply duct and cowl or grill shall be designed to allow the passage of air between the ventilator unit and the external air at all times and shall be so constructed that when installed in a cavity wall exposed to the weather:

(*a*) the weather resistance of the cavity is retained, and

(*b*) the external cowl or grill provides protection against the passage of snow, rain and vermin;

(2) the ventilator unit shall consist of a controlled variable speed fan with sound attenuating duct and cover and shall be fitted with an easily removable and washable air filter on the inlet side of the fan; the ventilator unit shall be capable of supplying fresh air to the room directly from outside by means of a supply duct and cowl or grill;

(3) the ventilator unit shall be securely fixed to the wall in such a position that the air filter can be easily removed, and the junction between the ventilator unit and the face of the wall shall be fully sealed by means of compressible strip or other equally effective means;

(4) the air supply duct and cowl or grill shall be securely fixed to the wall and the junction between the air supply duct and the internal leaf shall be fully sealed by suitable means;

(5) the ventilator unit shall be electrically safe in operation and maintenance and shall not present a fire hazard;

(6) the ventilator unit with air filter in position, by itself or with an integral air supply duct and cowl or grill, shall be capable of giving variable ventilation rates ranging from:

(*a*) an upper rate of not less than 37 litres per second against a back pressure of 10 newtons per square metre and not less than 31 litres per second against a back pressure of 30 newtons per square metre, to

(*b*) a lower rate of between 10 and 17 litres per second against zero back pressure; and if there is no continuous control of the ventilation rate, the following intermediate settings shall be provided:

(i) a ventilation rate of greater than 31 and less than 33 litres per second against a back pressure of 10 newtons per square metre, and

(ii) a ventilation rate of greater than 21 and less than 26 litres per second against a back pressure of 10 newtons per square metre;

(7) the effective area of the air path through the ventilator system, with the fan switched off and the air filter in position shall be not less than 3,250 square millimetres and the said area shall be ascertained by measuring the static pressure difference across the ventilator system for various air flow rates through the ventilator system and calculating the effective area from $1{,}270 \frac{Q}{\sqrt{\Delta p}}$ (where Q is the measured air flow rate through the ventilator system in litres per second and Δp the measured static pressure difference across the ventilator system in newtons per square metre): effective areas shall be calculated for air flow through the ventilator system in both directions and the lower calculated value shall be taken for the effective area;

(8) the ventilator unit by itself or integral with the air supply duct and cowl or grill shall be so constructed that:

(*a*) when it is in operation in any room the sound level in the room due to the operating of the unit at a ventilation rate of 31 litres per second against a back pressure of 10 newtons per square metre, measured at any point not nearer than 1 metre to the unit or any of the room surfaces and normalised by the subtraction of $10 \log_{10} \left(\frac{10}{A} \right)$ (where A is the measured sound absorption in the room in square metre units at each $\frac{1}{3}$-octave frequency interval from 100 to 3,150Hz) does not exceed 35 decibels on the A scale and at the maximum ventilation rate of the unit does not exceed 40 decibels on the A scale against a back pressure of 30 newtons per square metre; and

(*b*) the sound pressure level difference (measured in accordance with British Standard specification for the measurement of sound transmission in buildings published on 31st May 1956 under the number B.S. 2750: 1956) between two rooms separated by a solid wall of area not less than 10 square metres and of average mass (calculated over any portion of the wall measuring 1 square metre) of not less than 415 kilogrammes per square metre incorporating the ventilator unit normalised by the addition of $10 \log_{10} \left(\frac{10}{A} \right)$ (where A is the measured sound absorption in the receiving room in square metre units at each $\frac{1}{3}$-octave frequency), is not less than the figure shown in Table 2 below except for total adverse deviations (at all $\frac{1}{3}$-octave frequencies) not exceeding 32 decibels and an adverse deviation at any one $\frac{1}{3}$-octave frequency not exceeding 8 decibels.

TABLE 2

⅓-octave frequency band centre (Hertz)	Normalised sound pressure level difference (Decibels)
100	30
125	33
160	36
200	39
250	42
315	45
400	48
500	49
630	50
800	51
1,000	52
1,250	53
1,600	53
2,000	53
2,500	53
3,150	53

Specification for permanent vents

8.—(1) Every permanent vent type 'A' shall consist of a sound attenuating purpose-made opening or duct which is designed to allow the passage of air between the room and the external air at all times, and shall have an external cowl or grill for protection against the passage of snow, rain and vermin. It shall be so constructed that when installed in a cavity wall exposed to the weather the weather resistance of the cavity is retained and the acoustic performance of the vent is protected.

(2) The effective area of the air path through the permanent vent shall be ascertained by the method set forth in paragraph 7(7) above, save that for the words "ventilator system" there shall be substituted "permanent vent".

(3) When installed the permanent vent shall be securely fixed to the wall and the junction between the vent and the face of the wall shall be fully sealed by means of compressible strip, mastic packing, cover strips or other equally effective means, and where the vent has an air supply duct traversing a cavity wall the junction between the supply duct and the internal leaf shall be fully sealed by suitable means to prevent the passage of air to or from the cavity.

(4) Vents shall be so constructed and installed as not to present a fire hazard.

(5) Every permanent vent type 'A' shall:

(*a*) have an effective area, calculated in accordance with paragraph (2) above, of not less than 3,250 square millimetres, and

(*b*) be so constructed that the sound pressure level difference ascertained by the method set forth in paragraph 7(8)(*b*) above, complies with the requirements therein set forth, save that for the words "ventilator unit" there shall be substituted "vent".

Specification for combined ventilator system

9. The combined ventilator system shall conform to the design and standards of ventilation and acoustic performance specified in paragraphs 2(1), 4(1)(*a*), 7 and 8 of this Schedule except that the requirement in paragraph 2(1) that the installation be made at the highest level which is reasonably practicable shall not apply.

EXPLANATORY NOTE

(This Note is not part of the Scheme.)

This is a new Scheme designed to meet the need for domestic sound insulation in the vicinity of Gatwick Airport in the coming years; it supersedes the Gatwick Airport—London Noise Insulation Grants Scheme 1975 which, as varied, applied to dwellings whose construction was completed before 1st January 1973 and to insulation works carried out to such dwellings before 1st July 1979.

This Scheme, like the earlier one, requires the British Airports Authority to pay grants towards the cost of insulation. It comes into operation on 1st April 1980 and relates to dwellings whose construction was completed before that date and which are wholly or partly situate within the area designated on a map, deposited at the office of the Departmental Record Officer at 1 Victoria Street, London, S.W.1, and a certified copy of which will be open to inspection free of charge at all reasonable hours in Room 606, 1 Victoria Street, London, S.W.1. Copies will similarly be available at the offices of the British Airports Authority, 2 Buckingham Gate, London, S.W.1; Mole Valley District Council, Environmental Health Department, Red House, Leatherhead; Reigate and Banstead Borough Council Information Office, Victoria Road Car Park, Horley; Tandridge District Council, Council Offices, Station Road East, Oxted; Crawley Borough Council, Town Hall, The Boulevard, Crawley; and Horsham District Council, Environmental Health Department, Comewell House, North Street, Horsham.

The principal changes made in relation to the earlier Scheme are:—

(1) Grants under this Scheme are payable to persons having an interest in eligible dwellings on 1st April 1980 or persons residing or entitled to reside in the dwellings on that date.

(2) The closing date for lodging applications is 31st March 1983 and the insulation work must be completed before 1st April 1985.

(3) The boundary of this Scheme is intermediate between the inner and outer boundaries of the earlier Scheme, which defined the areas eligible for 100 per cent and 85 per cent grants respectively.

(4) Provision is made for the insulation of two living rooms and all bedrooms in eligible dwellings.

(5) The maximum grant payable varies according to individual circumstances: there is no uniform ceiling applying in all cases as under the earlier Scheme. Under this Scheme, the rate of grants is now 100 per cent in all cases, subject to maximum prices per square metre or per unit, as appropriate, for items of work required or permitted.

(6) The minimum specifications for ventilation work carried out under this Scheme have been modified in the interests of greater flexibility and mechanical ventilation is now an optional item.