

AUSTRALIAN ENVIRONMENT COUNCIL

TECHNICAL BASIS FOR THE REGULATION
OF NOISE-LABELLING OF NEW
PAVEMENT BREAKERS AND MOBILE AIR
COMPRESSORS IN AUSTRALIA

TB 85/1

MAY 1985

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This document has been prepared by the Environmental Noise Control Committee (ENCC), which is one of a number of specialist committees established to provide advice to the AEC, through Standing Committee, on specific areas of environmental concern.

This document was released by the AEC following its 17th meeting in May 1985.

May 1985

AUSTRALIAN ENVIRONMENT COUNCIL
ENVIRONMENTAL NOISE CONTROL COMMITTEE

TECHNICAL BASIS FOR THE REGULATION OF NOISE-LABELLING
OF NEW PAVEMENT BREAKERS AND MOBILE AIR COMPRESSORS
IN AUSTRALIA

1. SCOPE

- 1.1 This document specifies the test procedures and requirements to be used in determining the noise rating (Mean Sound Level) for the labelling of pavement breakers and mobile air compressors, manufactured or assembled in, or imported into Australia.
- 1.2 The requirements apply to all pavement breakers and mobile compressors manufactured on or after 1st July 1985 and intended or offered for sale in Australia.

2. DEFINITIONS

In this document:

- 2.1 Mobile Air Compressor - Any air compressor not permanently fixed in a certain location and capable of being registered as a trailer or vehicle for movement on public roads.
- 2.2 Pavement Breaker - An air-powered device capable of being manually lifted and manoeuvred by a single operator for the purpose of breaking up rock, concrete and other similar substances. The device would normally be attached by a flexible hose to a mobile air compressor.
- 2.3 Mean Sound Level - That level defined as the Mean Sound Level in AS 2221 Part 1 1979 - Engineering Method for Measurement of Airborne Sound Emitted by Compressor/Primmover Units Intended for Outdoor Use and AS 2221 Part 2 1979 - Engineering Method for Measurement of Airborne Sound Emitted by Pneumatic Tools and Machines.

3. NOISE MEASUREMENT METHODS

- 3.1 Pavement Breakers - The test procedure to establish the Mean Sound Level shall be AS 2221 Part 2 1979 - Engineering Method for Measurement of Airborne Sound Emitted by Pneumatic Tools and Machines.

3.2 Mobile Air Compressors - The test procedure to establish the Mean Sound Level shall be AS 2221 Part 1 1979 - Engineering Method for Measurement of Airborne Sound Emitted by Compressor/Primeover Units Intended for Outdoor Use.

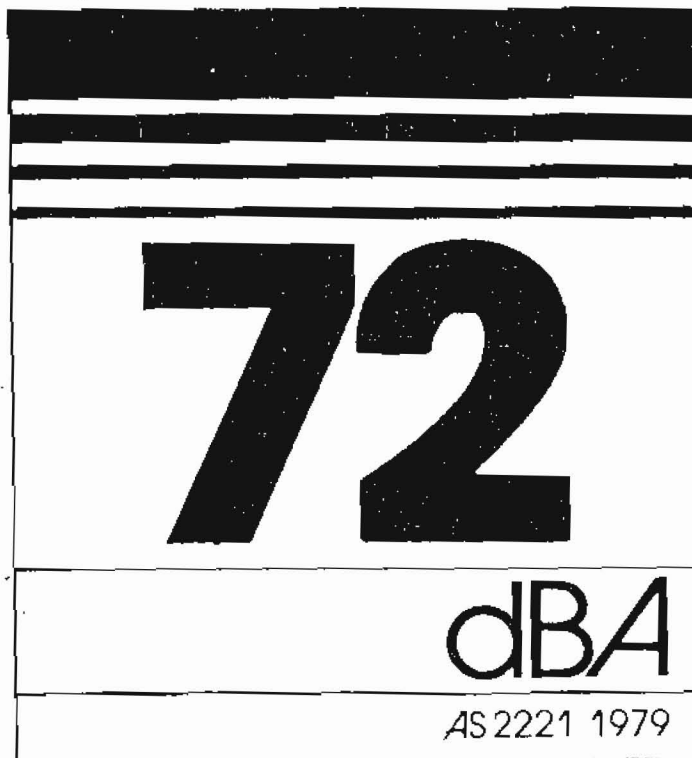
4. LABEL FORMAT

4.1 Pavement Breakers - The Mean Sound Level of a unit shall be displayed on a label with dimensions 3 cm x 3.5 cm.

Format, lettering and numbering size shall, as far as is practicable, be identical with the relative scale of the format, lettering and number size given in the following example:



- 4.2 Mobile Air Compressors - The Mean Sound Level of a unit shall be displayed on a label with dimensions 9 cm x 10 cm. Format, lettering and numbering size shall, as far as practicable, be identical with the relative scale of the format, lettering and numbering size given in the following example:



- 4.3 The labels for both pavement breakers and mobile air compressors shall have a permanent clearly visible black legend on a white background.

5. REQUIREMENTS RELATING TO THE LABELLING OF PAVEMENT BREAKERS AND MOBILE AIR COMPRESSORS

- 5.1 Pavement Breakers - Pavement breakers covered by this technical basis shall have securely affixed to the unit in a conspicuous manner, a metal label on which is displayed in the form of Section 4.1, the Mean Sound Level which will not be exceeded by the unit when tested in accordance with this technical basis.
- 5.2 Mobile Air Compressors - Mobile air compressors covered by this technical basis shall have securely affixed to the unit in a conspicuous manner, a durable label on which is displayed in the form in Section 4.2, the Mean Sound Level which will not be exceeded by the unit when tested in accordance with this technical basis.