

Australian/New Zealand Standard™

**Spray painting booths, designated spray  
painting areas and paint mixing rooms**

**Part 2: Installation and maintenance**

## **AS/NZS 4114.2:2003**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-014, Electrical Equipment in Hazardous Areas. It was approved on behalf of the Council of Standards Australia on 30 December 2002 and on behalf of the Council of Standards New Zealand on 13 December 2002. It was published on 11 February 2003.

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# Australian/New Zealand Standard™

## **Spray painting booths, designated spray painting areas and paint mixing rooms**

### **Part 2: Installation and maintenance**

Originated as part of AS/NZS 4114((Int):1993.  
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## PREFACE

This Standard was prepared by the Joint Australian/New Zealand Standards Committee EL-014, Electrical Equipment in Hazardous Areas, to supersede AS/NZS 4114:1995, *Spray painting booths, Part 2: Selection, installation and maintenance*.

This Standard is intended for the guidance of manufacturers, designers, users, statutory authorities and others associated with the construction of spray painting booths and paint mixing rooms.

Major changes to the 1995 edition, incorporated in this revised edition, are as follows:

- (a) The title was reviewed and reads: '*Spray painting booths, designated spray painting areas and paint mixing rooms*'.
- (b) Section 1—*General* was expanded to include some of the Clauses previously included in Section 2—*Selection*.
- (c) Section 2—*Selection* was deleted.
- (d) Section 3—*Installation*, has now been replaced by Section 2—*Installation and maintenance*.
- (e) New Clauses covering requirements for '*Designated spray painting areas*' were included.
- (f) Requirements for paint mixing rooms were included.
- (g) Appendix A—*Relevant authorities* has been updated.

This Standard is Part Two of a Series which consists of the following:

## AS/NZS

4114	Spray painting booths, designated spray painting areas and paint mixing rooms
4114.1	Part 1: Design, construction and testing
4114.2	Part 2: Selection, installation and maintenance (this Standard)

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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**Part 2: Installation and maintenance**

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## SECTION 1 GENERAL

**1.1 SCOPE**

This Standard sets out requirements for the installation and maintenance of spray painting booths and paint mixing rooms complying with AS/NZS 4114.1 and designated spray painting areas.

A designated spray painting area is not for general use but is to be used only where the use of a spray painting booth is not practicable.

This Standard is to be read in conjunction with AS/NZS 2381.1, which describes the fundamental considerations that affect the installation and maintenance of all electrical apparatus used in areas termed hazardous areas where an explosive atmosphere is likely to be present.

Requirements for the design, construction and testing of spray painting booths and paint mixing rooms are given in AS/NZS 4114.1.

**1.2 APPLICATION**

This Standard is intended for application by installers, owners, operators, inspectors and regulatory authorities of spray painting booths, designated spray painting areas and paint mixing rooms.

NOTE: Appendix A contains a list of various authorities that may have a regulatory role regarding the use of spray painting booths, designated spray painting areas and paint mixing rooms.

**1.3 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

**AS**

- |        |                                                                                        |
|--------|----------------------------------------------------------------------------------------|
| 2381   | Electrical equipment for explosive atmospheres—Selection, installation and maintenance |
| 2381.2 | Part 2: Flameproof enclosure ‘d’                                                       |
| 2430   | Classification of hazardous areas                                                      |
| 2430.1 | Part 1: Explosive gas atmospheres                                                      |

**AS/NZS**

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|--------|----------------------------------------------------------------------------------------|
| 2381   | Electrical equipment for explosive atmospheres—Selection, installation and maintenance |
| 2381.1 | Part 1: General requirements                                                           |