

AS 2268—1979

Australian Standard

**ELECTRICAL EQUIPMENT FOR
EXPLOSIVE ATMOSPHERES**

**ELECTROSTATIC PAINT AND
POWDER SPRAYGUNS**

The following scientific, industrial and governmental organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Australian Coal Association
Australian Electrical Manufacturers Association
Confederation of Australian Industry
Department of Productivity
Department of Public Works, N.S.W.
Departments of Explosives
Departments of Labour and Industry
Departments of Mines
Electrical Contractors Associations of Australia
Insurance Council of Australia
Oil Companies
Statutory Electricity Authorities
Sydney County Council (Testing Interest)

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POWDER SPRAYGUNS FOR
EXPLOSIVE ATMOSPHERES**

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PREFACE

This standard was prepared by the Association's Committee on Electrical Equipment for Hazardous Locations for the guidance of manufacturers, users, statutory authorities and associated interests, and for use with the SAA Wiring Rules. It prescribes requirements in respect of the design, construction and marking of electrostatic paint and powder sprayguns and associated apparatus and includes a section on testing.

In its terminology, definitions and general treatment of the subject, this standard takes into account a similar standard issued by the British Approvals Service for Electrical Equipment in Flammable Atmospheres (BASEEFA), viz—

BASEEFA Standard SFA 3010, Electrostatic Paint and Powder Spray Guns.

Acknowledgement is made of the assistance received from this source.

The standard requires reference to the following standards:

AS 1020	SAA Static Electricity Code
AS 1021	Protection by Purging of Electrical Equipment for Explosive Atmospheres
AS 1593	Increased Safety of Electrical Equipment for Explosive Atmospheres
AS 1825	Pressurized Enclosure of Electrical Equipment for Explosive Atmospheres
AS 1826	Special Protection of Electrical Equipment for Explosive Atmospheres
AS 1829	Intrinsically Safe Electrical Apparatus for Explosive Atmospheres
AS 1939	Classification of Degrees of Protection Provided by Enclosures for Electrical Equipment
AS 2210	Safety Footwear
AS 3000	Part 1—SAA Wiring Rules
AS C98	Flameproof Enclosure of Electrical Equipment for Explosive Atmospheres
AS C100	Approval and Test Specification for Definitions and General Requirements for Electrical Materials and Equipment
BS 2050	Electrical Resistance of Conductive and Antistatic Products Made from Flexible Polymeric Material
BS 5451	Electrically Conducting and Antistatic Rubber Footwear

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