

Australian/New Zealand Standard™

Portable fire extinguishers

Part 5: Specific requirements for powder type extinguishers

1 SCOPE

This Standard specifies requirements for portable rechargeable fire extinguishers of the powder type.

2 APPLICATION

Portable, rechargeable, powder fire extinguishers shall comply with AS/NZS 1841.1 and the requirements of this Standard.

Where requirements differ, this Standard shall take precedence.

3 REFERENCED DOCUMENTS

The following document is referred to in this Standard:

AS/NZS

1841 Portable fire extinguishers

1841.1 Part 1: General requirements

4 EXTINGUISHANT

The powder extinguishant shall retain its free-flowing properties at all times and have a moisture content not exceeding 0.25%.

5 POWDER COMPACTION TESTING

5.1 General

Every extinguisher size, design and powder type combination shall be subjected to the powder compaction test, as set out in Clauses 5.2 and 5.3.

5.2 Initial

A minimum of three extinguishers of each combination shall be correctly charged and each extinguisher shall, in turn, be held in the vertical position and dropped 500 times from a height of 15 mm at a rate of 1 Hz onto a rigid horizontal steel plate having dimensions greater than those of the extinguisher base.

Any non-metallic skirt or foot ring shall be removed prior to compaction.

5.3 Bonding

All the specimen extinguishers shall be stored at ambient temperature for not less than 90 days without being disturbed.

Prior to the extinguishers being discharged, they shall be stored at a temperature of 10°C to 25°C for not less than 24 h.