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AS 2832.2-2003 (R2016) Cathodic protection of metals -Part 2: Compact buried structures

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Abbreviation

AS 2832.2-2003

Valid from

27/06/2003

Replaces

[AS 2832.2-1991](#), , ,

Information provider

SAI Global

Author

Standards Australia

Information type

Australian Standard

Format

PDF

Cited By

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Description

This Standard specifies requirements for the cathodic protection of external surfaces of compact buried structures, including tank farms, service station tanks, tower footings, steel pilings (in soil), short well casings, compressor and pump stations and associated pipe work.

Scope

The Standard specifically covers the following subjects which relate to cathodic protection:

- (a) Pertinent aspects of the design of structures requiring cathodic protection.
- (b) Coatings for use on buried structures.
- (c) Criteria for the cathodic protection of a structure.
- (d) Measuring techniques and equipment.
- (e) The design of cathodic protection systems.
- (f) The installation of cathodic protection systems.
- (g) The control of interference currents on foreign structures.
- (h) The cathodic protection of structures subject to stray direct current.
- (i) The operation and maintenance of cathodic protection systems.
- (j) Electrical hazards.

Notes:

1. Guidance on the general use and design of cathodic protection systems and factors affecting the corrosion of buried metallic structures are given in Appendix A.
2. This Standard employs conventional (positive) current flow, for consistency with accepted practice, and uses the potential sign conventions specified in AS/NZS 1852 (all parts). In order to understand the various electrochemical reactions that occur at electrodes during cathodic protection, it should be recognized that electron flow occurs in the opposite direction to conventional current flow.
3. Voltage and current referred to in this Standard is direct voltage and direct current, unless otherwise stated.

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