

- [Home Home](#)
- [About this portal](#)
- [Latest updates](#)

[Save](#)

[Resource detail](#)

[Citations](#)

AS 1289.5.3.5-1997 (R2013) Methods of testing soils for engineering purposes - Soil compaction and density tests - Determination of the field dry density of a soil - Water replacement method

[View on Information Provider website](#)

Abbreviation

AS 1289.5.3.5-1997 (R2013)

Valid from

05/10/1997

Information provider

SAI Global

Author

Standards Australia

Information type

Australian Standard

Format

PDF, Hard copy

Cited By

[This resource is cited by 2 documents \(show Citations\)](#)

Description

This Standard sets out the method for determining the field dry density of a natural or compacted coarse-grained soil by the water replacement method, using a circular density ring on the surface and a plastic sheet to retain the water (see Notes 1 and 2).

This test is particularly appropriate for soils containing appreciable proportions of cobbles and boulders as defined in AS 1289.0, e.g. rock fill.

The gross mass per unit volume (wet density) may be computed and the dry mass per unit volume (dry density) obtained by correcting for the moisture content.

The field dry density is determined either for the total material or for material finer than 19.0 mm, unless otherwise specified.

For assistance with locating previous versions, please contact the information provider.

[View on Information Provider website](#)

For assistance with locating previous versions, please contact the information provider.

This resource is cited by:

AS 1289.5.3.5-1997 (R2013) Methods of testing soils for engineering purposes - Soil compaction and density tests - Determination of the field dry density of a soil - Water replacement method

This document is CITED BY:

- [AS/NZS 2566.2:2002](#)

AS 1289.5.3.5-1997 (R2013) is cited by AS/NZS 2566.2:2002 (R2016) Buried Flexible pipelines - Installation

- [AS/NZS 3725:2007](#)

AS 1289.5.3.5-1997 (R2013) is cited by AS/NZS 3725:2007 Design for installation of buried concrete pipes

Back

AS 1289.5.3.5-1997 (R2013) Methods of testing soils for engineering purposes - Soil compaction and density tests - Determination of the field dry density of a soil - Water replacement method

Show what documents this resource is CITED BY

Show what documents this resource CITES

Description

This Standard sets out the method for determining the field dry density of a natural or compacted coarse-grained soil by the water replacement method, using a circular density ring on the surface and a plastic sheet to retain the water (see Notes 1 and 2).

This test is particularly appropriate for soils containing appreciable proportions of cobbles and boulders as defined in AS 1289.0, e.g. rock fill.

The gross mass per unit volume (wet density) may be computed and the dry mass per unit volume (dry density) obtained by correcting for the moisture content.

The field dry density is determined either for the total material or for material finer than 19.0 mm, unless otherwise specified.

[View on Information Provider website](#)

[AS 1289.5.3.5-1997 \(R2013\) Methods of testing soils for engineering purposes - Soil compaction and density tests - Determination of the field dry density of a soil - Water replacement method](#)

Description

This Standard sets out the method for determining the field dry density of a natural or compacted coarse-grained soil by the water replacement method, using a circular density ring on the surface and a plastic sheet to retain the water (see Notes 1 and 2).

This test is particularly appropriate for soils containing appreciable proportions of cobbles and boulders as defined in AS 1289.0, e.g. rock fill.

The gross mass per unit volume (wet density) may be computed and the dry mass per unit volume (dry density) obtained by correcting for the moisture content.

The field dry density is determined either for the total material or for material finer than 19.0 mm, unless otherwise specified.

[View on Information Provider website](#)

This resource does not cite any other resources.

AS 1289.5.3.5-1997 (R2013) Methods of testing soils for engineering purposes - Soil compaction and density tests - Determination of the field dry density of a

soil - Water replacement method

This resource does not CITE any other resources.

Back

Close

Table of Contents

Print

[Save](#)

Email

[Feedback](#)

- [Contact us](#)
- [Privacy policy](#)
- [Disclaimer](#)
- [Copyright](#)

[Feedback](#)