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AS 1289.5.1.1-1993 Methods of testing soils for engineering purposes - Soil compaction and density tests - Determination of the dry density/moisture content relation of a soil using standard compactive effort

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Abbreviation

AS 1289.5.1.1-1993

Valid from

18/01/1993

Information provider

SAI Global

Author

Standards Australia

Information type

Australian Standard

Format

PDF

Cited By

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Description

This Standard sets out a method for the determination of the relationship between the moisture content and the dry density of a soil, when compacted, using standard compactive effort (596 kJ/m³).

Compaction is conducted over a range of moisture contents so as to establish the maximum mass of dry soil per unit volume achievable for this compactive effort and its corresponding moisture content.

Scope

The procedure is applicable to that portion of a soil which passes the 37.5 mm sieve.

Soil which all passes the 19.0 mm sieve is compacted in a 105 mm diameter mould.

Soil which contains more than 20% of material retained on the 19.0 mm sieve is compacted in a 152 mm diameter mould.

Corrections for oversize material are not made in this method but may be made using Method AS 1289.5.4.1 when required for compaction control.

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