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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

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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

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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.

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• <u>AS/NZS 3725:2007</u>

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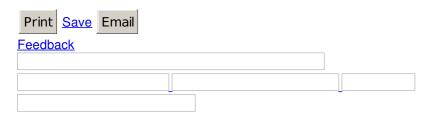
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