Australian Standard®

Methods of testing soils for engineering purposes

Method 6.7.3: Soil strength and consolidation tests—Determination of permeability of soil—Constant head method using a flexible wall permeameter

AS 1289.6.7.3:2016

1 SCOPE

This Standard sets out the method for the determination of the coefficient of permeability of soil in a flexible wall permeameter or triaxial cell with percolation under constant head conditions. The Standard includes testing of both remoulded and undisturbed specimens of soil.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS		
1152	Specification for test sieves	
1289	Methods of testing soils for engineering purposes	
1289.0	Part 0:	Definitions and general requirements
1289.1.1	Method 1.1:	Sampling and preparation of soils—Preparation of disturbed soil samples for testing
1289.2.1.1	Method 2.1.1:	Soil moisture content tests—Determination of the moisture content of a soil—Oven drying method (standard method)
1289.3.1.1	Method 3.1.1	Soil classification tests—Determination of the liquid limit of a soil—Four point Casagrande method
1289.3.1.2	Method 3.1.2	Soil classification tests—Determination of the liquid limit of a soil—One point Casagrande method (subsidiary method)
1289.5.1.1	Method 5.1.1:	Soil compaction and density tests—Determination of the dry density/moisture content relation of a soil using standard compactive effort
1289.5.2.1	Method 5.2.1:	Soil compaction and density tests—Determination of the dry density/moisture content relation of a soil using modified compactive effort
1726	Geotechnical site investigations	
ASTM		
D5084-10	Standard test methods for measurement of hydraulic conductivity of saturated porous materials using a flexible wall permeameter	