

BS 1377 : Part 4 : 1990

Dry density/moisture content relationship (rammer)

Location		Job ref.			
		Borehole/Pit no.			
Soil description		Sample No.			
		Depth		m	
Test method BS1377: Part 4: 1990: 3.3/3.4/3.5/3.6*		Date			
Procedure 2.5/4.5kg* hand/mechanical rammer* _____ layers _____ blows per layer One litre/CBR* mould Volume of mould (V) _____ cm³ Single sample/separate batches*					
Initial sample mass _____ g		Particle density _____ Mg/m ³			
Retained on 20mm/37.5mm* sieve _____ g		_____ %			
Test number _____ g					
Mass of mould+base+compacted specimen (m ₂) _____ g					
Mass mould+base (m ₁) _____ g					
Mass compacted specimen (m ₂ -m ₁) _____ g					
Bulk density _____ Mg/m ³ P=(m ₂ -m ₁)/(18.15h)					
Moisture content container No.					
Moisture content (w) _____ %					
Dry density _____ Mg/m ³ Pd=(100p)/(100+w)					
*Delete as appropriate					
Maximum dry density _____ Mg/m³ Optimum moisture content _____ %					
Moisture Content %					
		Operator		Checked	
Form 4A					