ISO 14689-1:2003-12 (E)

Geotechnical investigation and testing - Identification and classification of rock - Part 1: Identification and description

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Identification and description of rock 3
4.1 Rock identification 3
4.2 Description of rock material 4
4.2.1 Colour 4
4.2.2 Grain size 4
4.2.3 Matrix 4
4.2.4 Weathering and alteration effects 4
4.2.5 Carbonate content 5
4.2.6 Stability of rock material 5
4.2.7 Unconfined compressive strength 6
4.3 Rock mass 6
4.3.1 General 6
4.3.2 Structure 7
4.3.3 Discontinuities 7
4.3.4 Weathering of the rock mass 12
4.3.5 Rock mass permeability 13

5 Report 13

Annex A (informative) Aid to identification of rock types on the basis of geological features for engineering purposes 14