DIN EN ISO 17892-8:2018-07 (E)

Geotechnical investigation and testing - Laboratory testing of soil - Part 8: Unconsolidated undrained triaxial test (ISO 17892-8:2018)

Contents

Page

European foreword ... **3**

Foreword ... **4**

Introduction ... **5**

1 Scope ... **6**

2 Normative references ... **6**

3 Terms and definitions ... **6**

4 Symbols ... **7**

5 Apparatus ... **8**

6 Test procedure ... **11**
6.1 General requirements and equipment preparation ... 11
6.2 Preparation of specimens ... 11
6.3 Application of cell pressure and initial readings ... 12
6.4 Shearing ... 13
6.5 Dismounting ... 13

7 Test results ... **14**
7.1 Bulk density, dry density and water content ... 14
7.2 Stage prior to shearing ... 14
7.3 Shearing ... 14
7.3.1 Corrected cross-sectional area ... 14
7.3.2 Deviator stress ... 14
7.3.3 Vertical strain ... 15
7.3.4 Undrained shear strength ... 15
7.4 Correction for elastic membrane ... 15

8 Test report ... **15**
8.1 Mandatory reporting ... 15
8.2 Optional reporting ... 16

Annex A (normative) **Calibration, maintenance and checks** ... **17**

Bibliography ... **19**