DIN EN 14801:2006-09 (E)

Conditions for pressure classification of products for water and wastewater pipelines

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 5

4 Symbols and abbreviations 6

5 Conditions 7
5.1 General 7
5.2 Constant parameters 7
5.2.1 General 7
5.2.2 Design life 7
5.2.3 Temperature 7
5.2.4 Negative pressure 7
5.2.5 Unit weight of soil 7
5.2.6 Native soil 7
5.3 Variable parameters 8
5.3.1 General 8
5.3.2 Loading parameters 8
5.3.3 Installation parameters 9
5.4 Combined conditions 10

6 Determination of allowable pressures PFA, PMA, PEA 11
6.1 General 11
6.2 Allowable pressures 11
6.2.1 Allowable operating pressure 11
6.2.2 Allowable maximum operating pressure 13
6.2.3 Allowable site test pressure 13
6.3 Methods for the determination of allowable pressures 13
6.4 Procedure for the determination of allowable pressures 13

Annex A (informative) Considerations regarding longitudinal effects 15

A.1 Longitudinal effects 15
A.1.1 General 15
A.1.2 Failure behaviour due to longitudinal effects 15
A.1.3 Failure modes 15
A.1.4 Longitudinal effects 16

Annex B (normative) Uniform classification of soils 20

Annex C (informative) Application example 23

Annex D (informative) Information on the relationship between type of compaction and construction procedures 24

Annex E (informative) Information regarding bedding reaction angle 25

Bibliography **26**