DIN EN 12572-2:2017-05 (E)

Artificial climbing structures - Part 2: Safety requirements and test methods for bouldering walls

Contents

Page

European foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 4

4 Safety requirements and test methods 5
4.1 Maximum height for bouldering 5
4.2 Impact absorbing material 5
4.2.1 General 5
4.2.2 Impact attenuation 5
4.3 Impact area 6
4.3.1 Size of the impact area 6
4.3.2 Position of foam safety mats 7
4.4 Connection of modular foam safety mat elements 8
4.5 Structural integrity 8
4.6 Impact resistance and deflection of surface elements 8
4.7 Panel insert resistance 9
4.8 Falling space 9
4.9 Bouldering wall surfaces 9

5 Marking 9

6 Instruction manual 10

7 Technical documentation of the bouldering wall 10

Annex A (normative) Effects 11

Annex B (normative) Method of calculating of structural integrity and stability 13

Annex C (normative) Testing of shock absorbing surfaces 15

Annex D (normative) Test of surface elements 16

Annex E (normative) Panel insert resistance test 19

Annex F (normative) Inspection and maintenance 21

Annex G (normative) Testing of the impact area connecting system 23

Bibliography 25