DIN EN 15330-2:2017-09 (E)

Surfaces for sports areas - Synthetic turf and needle-punched surfaces primarily designed for outdoor use - Part 2: Specification for needle-punched surfaces for tennis and multi-sport surfaces

Contents

Page

European foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 5

4 Laboratory type approval 5
4.1 General 5
4.2 Material tests 6
4.2.1 Tensile properties of a needle-punched carpet 6
4.2.2 Resistance to artificial weathering 6
4.2.3 Bonded Joint Strength 6
4.2.4 Abrasion resistance 6
4.2.5 Water permeability 6
4.3 Surfaces designed for multi sports use 6
4.3.1 General 6
4.3.2 Vertical ball rebound 7
4.3.3 Ball roll and velocity change 7
4.3.4 Shock absorption 7
4.3.5 Rotational resistance 7
4.3.6 Angled ball behaviour 8
4.4 Surfaces designed primarily for tennis 8
4.4.1 General 8
4.4.2 Vertical ball rebound 8
4.4.3 Angled ball behaviour 8
4.4.4 Shock absorption 8
4.4.5 Rotational resistance 8
4.5 Product identification 8
4.6 Test report 10

5 Site tests 10
5.1 General 10
5.2 Test conditions 10
5.3 Performance requirements 11
5.3.1 Multi-use areas 11
5.3.2 Tennis courts 12
5.4 Test report 13

Annex A (normative) Preparation of wet test pieces 14

Annex B (normative) Information to be supplied by the manufacturer or supplier regarding maintenance 15

Annex C (normative) Protocol for mounting specimen fibres for EN 14836 artificial weathering exposure test 16