

DIN EN 15330-4:2023-07 (E)

Surfaces for sports areas - Synthetic turf and needle-punched surfaces primarily designed for outdoor use - Part 4: Specification for shockpads used with synthetic turf, needle-punch and textile sports surfaces

Contents		Page
European foreword		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	5
4	Laboratory conditions and specimen conditioning	6
4.1	Test floor	6
4.2	Test environments	6
4.3	Procedure for test specimen conditioning	6
5	Load spreading plate	7
6	Performance requirements	8
6.1	Shock absorption	8
6.2	Vertical Deformation	9
6.3	Water permeability	10
6.4	Tensile properties	10
6.5	Determination of dimensional stability	10
6.6	Resistance to dynamic fatigue by repeated pounding	11
6.7	Resistance to permanent deformation after short-term loading	11
6.8	Resistance to Permanent Deformation after Static Loading	11
6.9	Thermal conductivity	11
7	Product properties	11
7.1	General	11
7.2	Physical description	11
7.3	Thickness	12
7.4	Mass per unit area	12
8	Test report	12
9	Environmental and toxicological properties	12
10	Production and site quality control	12
Annex A (normative) Test method for the determination of permanent deformation after short-term loading		13
Annex B (normative) Test method for the determination of permanent deformation after static loading		15
Annex C (informative) Using thermal conductivity and thermal resistance data to select shockpads for use in cold climates		17
Annex D (informative) Environmental and toxicological properties		18

Annex E (informative) Production and site quality control	20
Bibliography	22