

DIN 18035-6:2014-12 (E)

Sports ground - Part 6: Synthetic surfaces

Contents		Page
Foreword		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	6
4	Requirements	9
4.1	General information	9
4.2	Subgrade (native soil and sub-base)	9
4.2.1	General	9
4.2.2	Preliminary examinations	11
4.2.3	Verification tests	11
4.3	Filter stability	11
4.4	Unbound supporting layer	11
4.5	Asphalt layer	13
4.6	Synthetic surfacing	16
4.7	Markings	16
4.8	Environmental impact of the synthetic surfacing	16
5	Material characteristics and descriptive features	17
6	Testing	18
6.1	Suitability testing	18
6.2	Quality monitoring	18
6.3	Verification testing	18
7	Test methods	19
7.1	Effects of the synthetic surfacing on soil and groundwater	19
7.1.1	Sample preparation	19
7.1.2	Elution with water (24-h elution)	19
7.1.3	Elution with water (48-h elution)	19
7.1.4	Extraction with hexane to permit subsequent determination of organic halogen compounds (EOX)	19
7.1.5	Determination of dissolved organic compounds (dissolved organic carbon - DOC)	20
7.1.6	Determination of heavy metal contents	20
7.1.7	Determination of chlorinated paraffin	20
7.1.8	Determination of phthalate content	20
8	Use and maintenance	21
8.1	Use	21
8.2	Care and maintenance	21
Annex A (informative) Environmental protection recommendations		22
Bibliography		23