

# DIN EN 14904:2006-06 (E)

## Surfaces for sports areas - Indoor surfaces for multi-sports use - Specification

---

<b>Contents</b>		<b>Page</b>
<b>1</b>	<b>Scope .....</b>	<b>4</b>
<b>2</b>	<b>Normative references .....</b>	<b>4</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>5</b>
<b>4</b>	<b>Requirements for safety in use .....</b>	<b>5</b>
4.1	General .....	5
4.2	Friction .....	5
4.3	Shock absorption .....	6
4.4	Vertical deformation .....	6
<b>5</b>	<b>Technical requirements .....</b>	<b>6</b>
5.1	Vertical ball behaviour .....	6
5.2	Resistance to a rolling load .....	6
5.3	Resistance to wear .....	6
5.4	Reaction to fire .....	7
5.5	Formaldehyde emission .....	8
5.6	Content of pentachlorophenol (PCP) .....	9
5.7	Specular reflectance .....	9
5.8	Specular gloss .....	9
5.9	Resistance to indentation .....	9
5.10	Resistance to impact .....	9
5.11	Degree of evenness .....	9
<b>6</b>	<b>Evaluation of conformity .....</b>	<b>10</b>
6.1	General .....	10
6.2	Type testing .....	10
6.3	Factory production control (FPC) .....	10
<b>7</b>	<b>Marking and labelling .....</b>	<b>11</b>
<b>Annex A (informative) Resistance to repeated impact of synthetic sports floors .....</b>		<b>12</b>
<b>Annex B (informative) Shock absorption and vertical deformation types for elastic sports floors .....</b>		<b>13</b>
<b>Annex C (normative) Analysis of pentachlorophenol in sports floor coverings .....</b>		<b>14</b>
C.1	General .....	14
C.2	Reagents .....	14
C.3	Apparatus .....	14
C.4	Sampling and specimen preparation .....	14
C.5	Sample extraction and analysis .....	14
C.6	Expression of results .....	14
<b>Annex D (normative) Factory production control .....</b>		<b>15</b>
D.1	General .....	15
D.2	Control of raw material .....	15
D.3	Process control .....	15
D.4	Calibration plan .....	15
D.5	Testing of finished products .....	16

<b>D.6</b>	<b>Inspection and testing status of products .....</b>	<b>16</b>
<b>D.7</b>	<b>Traceability .....</b>	<b>16</b>
<b>Annex ZA (informative) Clauses of this European Standard addressing provisions of the EU</b>		
	<b>Construction Products Directive .....</b>	<b>17</b>