

EN 1177:2008-08 (E)

Impact attenuating playground surfacing - Determination of critical fall height

Contents		Page
Foreword		3
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Test method	7
4.1	Principle	7
4.2	Apparatus	7
4.3	Accuracy of tests	8
4.4	Conditions for testing	9
4.4.1	Testing in the laboratory	9
4.4.2	Testing on site	10
4.5	Procedure	10
4.5.1	Time/acceleration trace	10
4.5.2	Selection and definition of the test position	10
4.5.3	Procedures for specific types of product	11
4.5.4	Selection of data for determination of critical fall height	12
4.6	Calculation of results	12
4.7	Test report	13
4.7.1	General	13
4.7.2	Tests carried out in the laboratory	13
4.7.3	Tests carried out on site	13
Annex A (informative)	Test rig for determination of critical fall height	15
Annex B (informative)	Typical examples of trace of acceleration against time and curve of HIC values against drop height	16