



# LNE

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TEST REPORT OF A PLAYGROUND SURFACING

<b>Applicant</b> : KATASKEVES DAPEDON LTD - KDF 5 KOROMILA THESSALONIKI P.C 54645 GREECE	<b>Location of the test</b> : LNE Trappes
<b>Manufacturer</b> : KATASKEVES DAPEDON LTD - KDF 5 KOROMILA THESSALONIKI P.C 54645 GREECE	<b>Date of reception of sample</b> : 22 JUNE 2017
	<b>Date of test</b> : 30 JUNE 2017
<b>Date of request</b> : 25 June 2017	<b>Carried out by</b> : Stanislas LEGRAND & Fabrice DUVAL
	<b>Subject</b> : Simplified test on 9 positions of playground surfacing
	<b>Reference document</b> : NF EN 1177 (nov. 97) « Impact absorbing playground surfacing »

### IDENTIFICATION OF SAMPLE

<b>Identification</b> : Orange playground	<b>Composition</b> :
<b>Condition of the surfacing</b> : Variable Thick	- underlayer : Black rubber fibre
<b>Sample number</b> : 1	- binder underlayer : Polyurethane
<b>Configuration</b> : Stick on the concrete floor	- surfacing underlayer : Orange rubber granule
	- binder (underlayer) : Polyurethane
	<b>Dimension (mm)</b> : 1000 x 1000 x 52

### PURPOSE OF TEST

Determination of the critical fall height of the surface corresponding to a criterion of head injury (noted HIC for Head Injury Criterion) equal to 1000, according to the reference document.

### TEST CONDITIONS

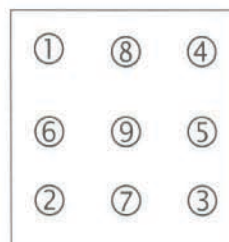
The sample has been installed according to the manufacturer's instructions.

The 9 specified testing positions have been marked on the sample (see in the opposite diagram).

The 9 series of 4 drop tests (1 serie per drop test) have been carried out (heights chosen to obtain HIC above and under value 1000 in each drop test).

The assessment of the critical fall height is the lowest of the 9 drop heights obtained.

The temperature of test ( $15^{\circ}\text{C} < \theta < 25^{\circ}\text{C}$ ) : 21,8°C



### RESULTS

The critical fall height of the sample referenced, determined according to NF EN 1177 (nov. 97), is Hcc = 1.4 m (test values in annex).

Trappes, the 4 July 2017

The Head of Childhood  
Products Division

Nicolé COURCAULT



Test Officer

Eric DEWALLE

"For any difficulty of interpretation of this document, refer to document F120222-C1 - CQPE/3 in French, which is the authentic text."

The results specified are only applicable to the samples, products or materials submitted to LNE, such as they are defined in this document.

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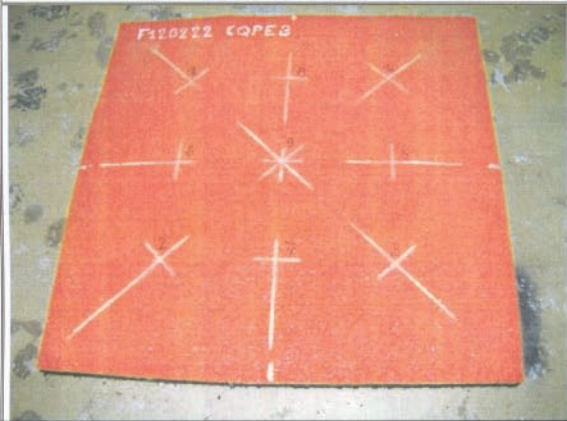
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ANNEX

View of the sample



Macroscopic view of the sample



HCC per point

HCC No 1 = 1.50 m	HCC No 6 = 1.54 m
HCC No 2 = 1.52 m	HCC No 7 = 1.49 m
HCC No 3 = 1.46 m	HCC No 8 = 1.49 m
HCC No 4 = 1.54 m	HCC No 9 = 1.63 m
HCC No 5 = 1.46 m	

Typical curve of acceleration / time

The curve of acceleration / time is available on request

Curve HIC

