

TEST REPORT

16-0227IT

Issued on March 07th 2016

CLIENT

KATASKEVES DAPEDON LTD - BUILDING SYSTEM

PRODUCT NAME

POLYFLEX PU SYSTEM

TYPE

SYNTHETIC FLOOR

Test according to:

FIFA Manual – Official Basketball rules 2014 – Basketball equipment

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The results are valid only for the submitted samples as described in this report.



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SCOPE OF THE TEST PROGRAMME

The system (sample submitted) was tested in accordance to FIBA Manual – Official Basketball Rules 2014, using the following test procedures.

DOCUMENTS OF REFERENCE

STANDARDS USED

FIBA Manual- Official Basketball Rules 2014 – Basketball Equipment

EN 14808:2006 - Surfaces for sports areas. Determination of shock absorption

EN 14809:2006 - Surfaces for sports areas. Determination of vertical deformation

EN 12235:2013 - Surfaces for sports areas. Determination of vertical ball behaviour

EN 13036-4:2011 Road and airfield surface characteristics. Test methods. Method for measurement of slip/skid resistance of a surface. The pendulum test

STORAGE TIMES

Storage of documents 4 years and samples 1 month from the issue of the report.

SAMPLING

Sampling is performed by the customer.

ENVIRONMENTAL CONDITIONS IN THE LABORATORY

Air temperature	Relative humidity
23°C ± 2°C	50% ± 5%

CLIENT

COMPANY
ADDRESS

KATASKEVES DAPEDON LTD - BUILDING SYSTEM
5 Koromila Str.
54645 Thessaloniki

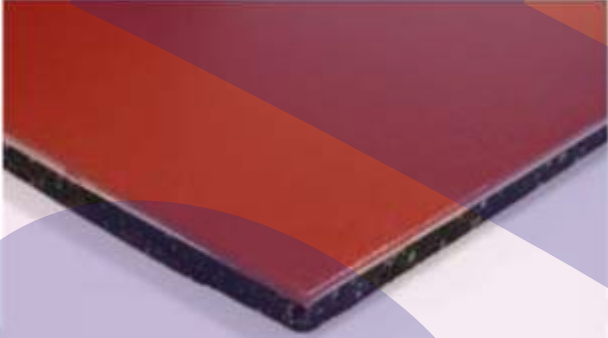
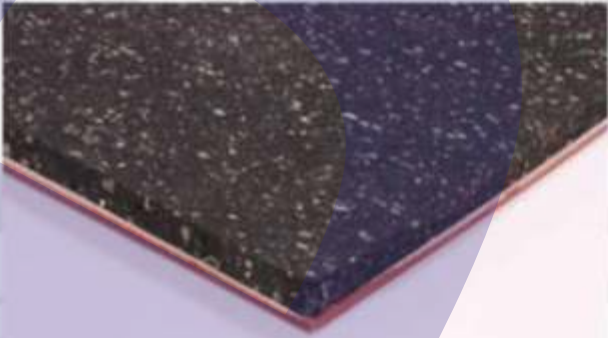
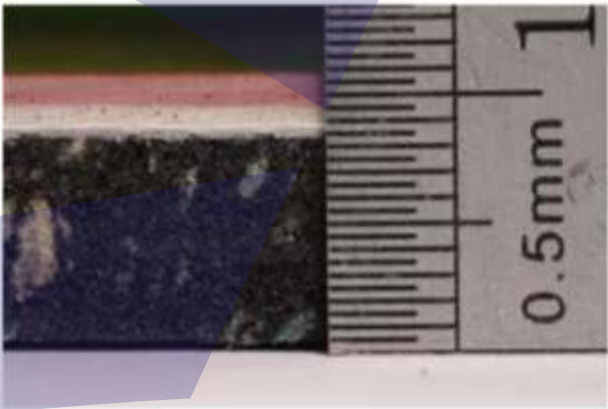
COUNTRY

Greece

DATA ACQUISITION

DATE OF RECEIPT OF ORDER	January 27 th 2016
DATE OF RECEIPT OF FIRST SAMPLE	February 02 nd 2016
DATE OF RECEIPT OF LAST SAMPLE	February 02 nd 2016
STARTING DATE OF THE TESTS	February 12 th 2016
ENDING DATE OF THE TESTS	March 01 st 2016

SAMPLE IDENTIFICATION

Product name	POLYFLEX PU SYSTEM
Type	<input checked="" type="checkbox"/> Synthetic Surface <input type="checkbox"/> Other
Description (from manufacturer's data sheet)	From bottom layer: Shockpad ISOPOL 8mm, PU pore filler POLYSPORT STUCCO 950/1050 1mm (white), PU self levelling POLYSPORT PU 951/1051 1mm and protection PU protection coat POLYSPORT 952/1052. Total thickness 11mm.
Picture of the upper side	
Picture of the lower side	
Picture of the section	

TESTS RESULTS

Test	Synthetic requirements	Result	Unit	Pass / Fail
Shock absorption	Min. 25%	30	%	Pass
Vertical deformation	Max 3.5mm	0.9	mm	Pass
Vertical ball behaviour	Min. 90%	94	%	Pass
Sliding properties	Min. 80 - Max 110	80	-	Pass

EQUIPMENT USED

UNI EN14808:2006 - Surfaces for sports areas. Determination of shock absorption

Device	Model	Serial number	Internal code
Datalogger	117-H1	01333640/702	STR018
Artificial athlete	Artificial athlete	-	STR016
Shock absorption spacer	NA	-	STR124
Vernier caliper	Digimatic	0133640/702	STR014
Air conditioner	BXN0-A022 E	BX-CT0022AA001H	STR127

UNI EN 14809:2006 - Surfaces for sports areas. Determination of vertical deformation

Device	Model	Serial number	Internal code
Datalogger	117-H1	01333640/702	STR018
Artificial athlete	Artificial athlete	-	STR016
Vertical deformation spacer	NA	-	STR125
Vernier caliper	Digimatic	0133640/702	STR014
Air conditioner	BXN0-A022 E	BX-CT0022AA001H	STR127

UNI EN 12235:2013 - Surfaces for sports areas. Determination of vertical ball behaviour

Device	Model	Serial number	Internal code
Laser meter	HD50	59294569	STR067
Vertical rebound structure	NA	-	STR115
Foot ball	NA	-	STR140
Air conditioner	BXN0-A022 E	BX-CT0022AA001H	STR127
Datalogger	117-H1	01333640/702	STR018

UNI EN ISO13036-4:2011 Road and airfield surface characteristics. Test methods. Method for measurement of slip/skid resistance of a surface. The pendulum test

Device	Model	Serial number	Internal code
Datalogger	117-H1	01333640/702	STR018
RRL Pendulum	NA	-	STR006
Air conditioner	BXN0-A022 E	BX-CT0022AA001H	STR127

ADDITIONAL INFORMATION

None.

CONCLUSIONS

The tested sample "POLYFLEX PU SYSTEM" by Kataskeves Dapedon Ltd has been found to fully comply with the laboratory test requirements of FIBA Manual 2014 edition.

Laboratory director
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Technician
Davide Giorgini

