


TEST REPORT

Testing of “Dura Train 32mm” Gym Flooring Tiles Provided For Testing By:

**Indigo Fitness
Units 1 & 2 Jacknell Road
Dodwells Bridge Industrial Estate
Leicestershire
LE10 3BS**

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PREPARED BY	SIGNATURE	ISSUE DATE	REPORT NUMBER
Callum Reid (Laboratory Manager)		04.02.2018	1580

1.0 CONTENTS

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2.0 SUMMARY OF TESTING (Laboratory Product Tests)

NAME OF TEST
SHOCK ABSORPTION FQP TM04
VERTICAL DEFORMATION FQP TM05A
ENERGY RESTITUTION FQO TM13

2.0 SUMMARY OF TESTING (Laboratory Product Identification Tests)

NAME OF TEST
THERMOGRAVIMETRIC ANALYSIS



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3.0 INTRODUCTION

This test report refers to a sample of “Dura Tile 32mm” sent to our laboratory for testing. The sample was identified with laboratory reference number SP1580.

The sample was received into the laboratory on 1.3.2018 and was conditioned in accordance with ISO 291 non tropical countries for 24 hours prior to testing taking place. All performance testing took place under the laboratories scope of ISO 17025 UKAS accreditation.

The tiles were prepared in accordance with the manufacturers instructions and were tested while overlaid on a rigid engineered testing substrate.

The test results in this report only refer to the sample named on Page 1 of this test report.



4.0 TEST RESULTS (PRODUCT PERFORMANCE)

All test results are shown in tabular format in the remainder of this report.

4.1 Shock Absorption (FIFA Test Method 04)

TEST DETAILS		
TEST CONDITION	DRY	
TEST TEMPERATURE (AIR)	23 +/- 2 °C	
TEST TEMPERATURE (SURFACE)	23 +/- 2 °C	
TEST HUMIDITY (AIR)	40 - 60%	
TEST RESULTS		
TEST LOCATION	TEST RESULT % (LOCATION)	OVERALL AVERAGE %
LOCATION 1	54.4	53.1%
LOCATION 2	50.9	
LOCATION 3	53.9	

4.2 Vertical Deformation (FIFA Test Method 05A)

TEST DETAILS		
TEST CONDITION	DRY	
TEST TEMPERATURE (AIR)	23 +/- 2 °C	
TEST TEMPERATURE (SURFACE)	23 +/- 2 °C	
TEST HUMIDITY (AIR)	40 - 60%	
TEST RESULTS		
TEST LOCATION	TEST RESULT mm (LOCATION)	OVERALL AVERAGE mm
LOCATION 1	5.0	4.7mm
LOCATION 2	4.4	
LOCATION 3	4.8	

4.3 Energy Restitution (FIFA Test Method 13)

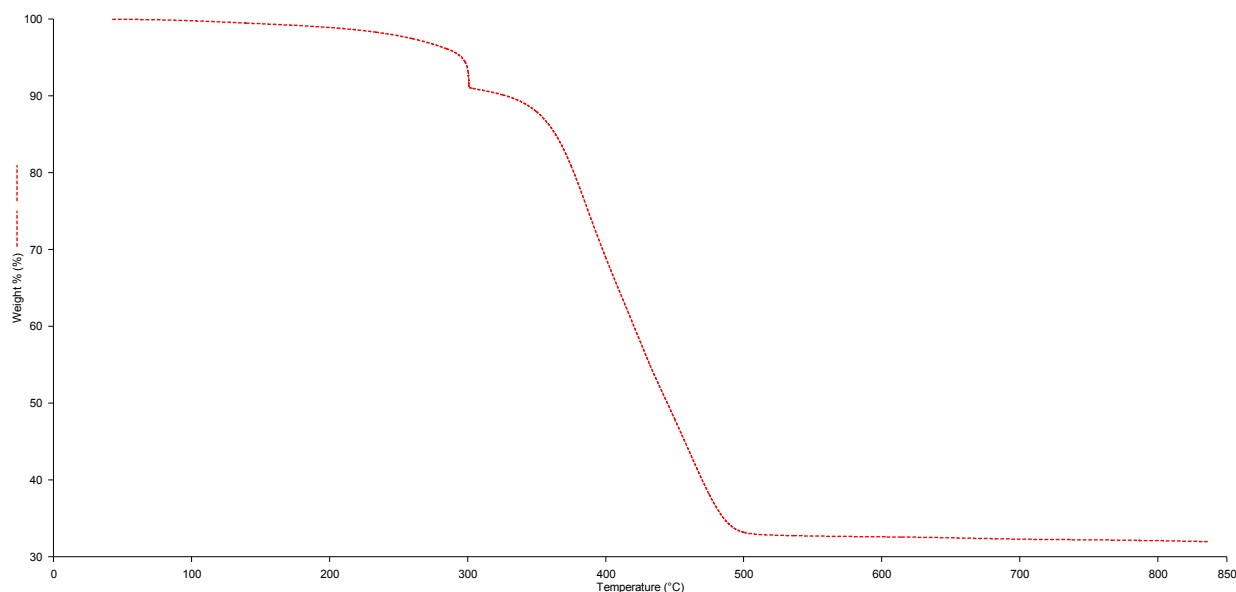
TEST DETAILS		
TEST CONDITION	DRY	
TEST TEMPERATURE (AIR)	23 +/- 2 °C	
TEST TEMPERATURE (SURFACE)	23 +/- 2 °C	
TEST HUMIDITY (AIR)	40 - 60%	
TEST RESULTS		
TEST LOCATION	TEST RESULT % (LOCATION)	OVERALL AVERAGE %
LOCATION 1	49.9	51.3%
LOCATION 2	53.0	
LOCATION 3	51.1	

5.0 PRODUCT IDENTIFICATION TESTS

5.1 Thermogravimetric Analysis Graph

Filename: C:\Users\Lab\Desktop\1580 TGA.tld
Operator ID: RW
Sample ID: 1580
Sample Weight: 53.705 mg
Comment: TGA on 1580 Indigo Fitness

PerkinElmer Thermal Analysis



02/03/2018 14:42:52

- | | |
|---|--|
| 1) Heat from 45.00°C to 300.00°C at 15.00°C/min | 3) Heat from 300.00°C to 650.00°C at 15.00°C/min |
| 2) Hold for 8.0 min at 300.00°C | 4) Heat from 650.00°C to 850.00°C at 25.00°C/min |

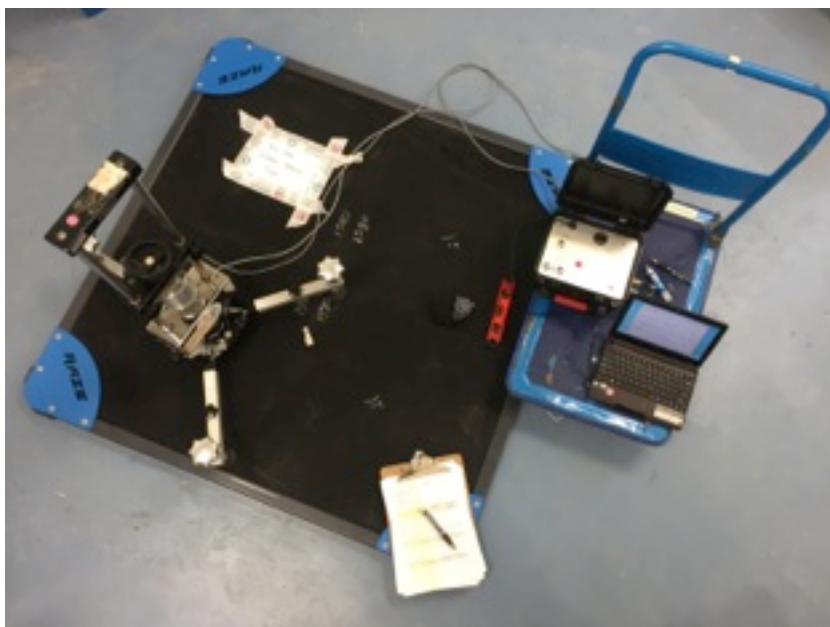
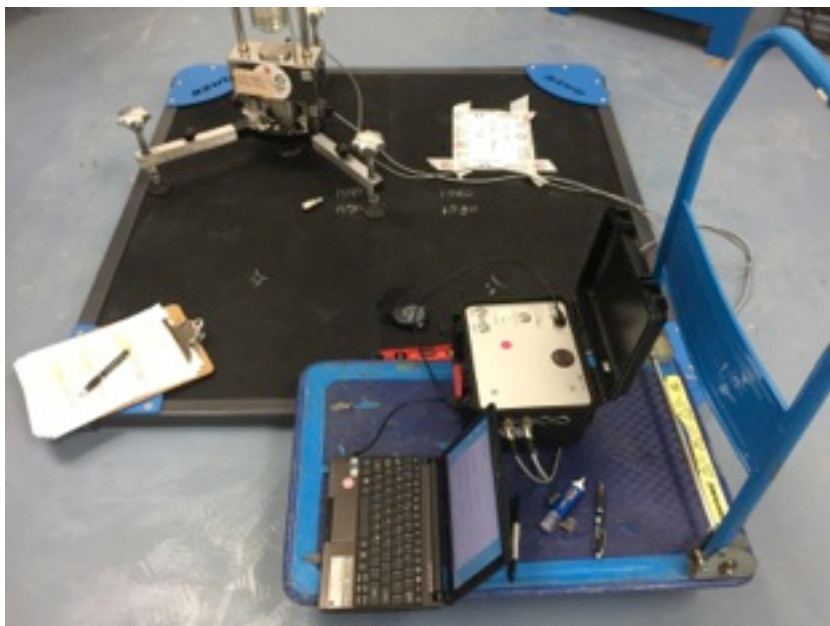
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6.0 TEST PHOTOGRAPHS



FIFA
Accredited Test Institute
for Football Turf

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END OF TEST REPORT



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