

LABORATORY APPROVED AS TECHNICAL CONTROLLER

by the Ministry of Transport, Infrastructure, Tourism and Sea

(J.O. Number 292 dated December 16th, 2005)

LABORATORY TEST REPORT
SHOCKPAD FOR SYNTHETIC TURF

Product : "Rebounce® uni F 82.01"

Company : RECTICEL SAS

Report n° R102262-B1

Le Mans, 24/02/2011



Object :

Tests performed according to NF P90-112 standard

"Sports surfaces in artificial turf"

(February 2008 edition)

Reproduction of this test report is authorized in its complete form.

This report contains 5 pages.

The results are only valid on the submitted sample.

CONFORMITY - SUMMARY

SHOCKPAD

Permeability	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail
Tensile strength	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail

DURABILITY OF THE SHOCKPAD (HOT WATER / HOT AIR)

Dimensional stability	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail
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1. TESTS DESCRIPTION

As requested by the company Recticel SAS, LABOSPORT performed the following tests :

- **Physical identification**
 - Colour
 - Thickness (NF EN 1969)
 - Mass per unit area (NF EN 430)

- **Performance tests**
 - Water permeability (NF EN 12616)
 - Tensile strength (NF EN 12230)

- **Ageing tests**
 - Hot water ageing (NF EN 13744) and hot air ageing (NF EN 13817)
 - ✓ **Dimensional stability after hot water ageing**
 - ✓ **Dimensional stability after hot air ageing**
 - ✓ **Water retention after hot water ageing**

2. PRODUCT DESCRIPTION

2.1. Manufacturer declaration

Commercial name	Rebounce® uni F 82.01
Colour	Different colors
Type	Product composed of flexible PU foam and rubber
Thickness	10 mm
Mass per unit area	3,1 kg/m ²


NB: The above information has been provided by Recticel SAS

2.2. Labosport identification

Date of order receipt	25/01/2011
Date of sample receipt	18/01/2011
Sample number	008543 / 008544

3.3. Hot air and hot water ageing

Immersion of the shockpad in water at 70°C during 336 hours according to NF EN 13744, then the same sample is subjected to hot air at 70°C during 336 hours according to standard NF EN 13817.

Tests	Results	NF P90-112 requirements
Visual appearance		-
Dimensional stability after hot water ageing (%) (NF EN 13744)	1,20	*
Dimensional stability after hot water and hot air ageing (%) (NF EN 13744 and NF EN 13817)	0,12	$\leq \pm 0,50$
Water retention after hot water ageing (%) (NF EN 13744)	After 5 min: 213 After 60 min: 200	-

* Specification not mentioned in the standard. Proposal in progress ($\leq \pm 1,50\%$)

CONCLUSION

Physico-chemical properties of the shockpad **Rebounce® uni F 82.01** meet the requirements of the NF P90-112 standard for the following tests :

- Permeability
- Tensile strength
- Dimensional variation after hot air / hot water ageing

Le Mans, February 24th, 2011



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