



Surfaces for Sports Areas – Indoor Surfaces for Multi-Sports Use

CHIMIVER SPA

Report Number: 61446/1397

Report Status: Final

Client: Chimiver Panseri s.p.a.

via Bergamo, 1401

24030 Pontida (BG) Italia







HEADQUARTERS

Sports Labs Ltd 1 Adam Square. Brucefield Industry Park Livingston EH54 9DE Scotland, United Kingdom

Tel: +44 (0) 1506 444 755 Email: info@sportslabs.co.uk Web: www.sportslabs.co.uk

REGIONAL LOCATIONS

- USA
- Morocco
- TurkeySouth Africa
- Netherlands Belgium
- Norway
- Israel

Foreword

This report has been prepared by Sports Labs Ltd with all reasonable skill, care and diligence within the terms of the contract with the Client and within the limitations of the resources devoted to it.

This report is confidential to the Client, and Sports Labs Ltd accepts no responsibility whatsoever to third parties to whom this report, or any part thereof, is made known. Any such party relies upon the report at their own risk.

* Not all tests carried out are within our scope of ISO 17025 accreditation.

This report is not an official National Governing Body report and does not imply NGB approval.

Declaration of Conformity

We confirm that the tests described in this report have been carried out in accordance with BS EN 14904: 2006 Surfaces for Sports Areas – Indoor Surfaces for Multi-Sports Use, and this report accurately reflects the outcome of the tests conducted.

Report Written By:	Claudio Lissoni	-	Report Checke	ed By:	Gaston Cristini
Date:	03/03/2023		Date:	/	07/03/2023
Signed:	Livi Clol		Signed:		Johny Prish.

lest	La	po	ra	tΟI	ry

Test Laboratory Name:	Sports Labs Ltd
Address:	1 Adam Square, Brucefield Industry Park
City & Postal (ZIP) Code:	Livingston, EH54 9DE
State or Province:	West Lothian
Country:	Scotland, UK
Telephone:	+44(0)1506 444 755
Email:	info@sportslabs.co.uk
4:-/-	

	,
Client's Name:	CHIMIVER PANSERI s.p.a.
Address:	via Bergamo, 1401
City & Postal (ZIP) Code:	24030 Pontida
State or Province:	Bergamo / /
Country:	Italia //
Telephone:	+39 035 795031
Email:	info@chimiver.com

Product Description			
Product Name:	ECOFAST UV LED SPC	DRT /	
Manufacturer:	CHIMIVER PANSERI S	S.P.A.	
Product Type:	TOP FINISHING		
Nominal Thickness:	N/A		
Detailed Product Descript	tion: N/A		
Substrate:	Concrete /		
Surface Profile Image [Pla	nn View]:	Surface Profile Image [End Elev	vation]:
Sample Reference		61446	Data Passived
		61446	Date Received
Laboratory Job No.	Surface Sample 1 Surface Sample 2, if	1397	19/12/2022
Sample Reference Laboratory Job No. Sample Reference No.	Surface Sample 1		

Performance Results Summ	ary		× //	
Property	Test Method	Mean Result	Requirement	Pass/ Fail
Ball Rebound	EN 12235: 2013	N/A	≥ 90% of rebound \ on concrete	PASS
Shock Absorption	EN 14808: 2005	N/A Choose on item.	25 % - 75 %	RASS
Vertical Deformation	EN 14809: 2005	N/A Choose an item.	≤ 5.0 mm	PASS
Friction	EN 13036-4: 2011	85 PTV	80 – 110 PTV	PASS
Resistance to Indentation	EN 1516: 1999 *	N/A	≤ 0.5 mm after 24 hours	PASS
Resistance to Impact	EN 1517: 2020 *	N/A	≤ 0.5 mm indentation	PASS
Resistance to Wear	EN ISO 5470-1: 1999 *	36:7 mg	Synthetic Surfaces ≤ 1000 mg per 1000 cycles	PASS
Resistance to Rolling Load	EN 1569: 2020 *	NXA	≤ 0.5 mm No Da⁄nage	PASS
Specular Gloss	EN ISO 2813: 2000 *	5 GU	Matt Surfaces ≤ 30 % Jacquered Surfaces ≤ 45 %	PASS

(* note: these tests are outwith our scope of ISO 17025 Accreditation)



⁽a) Relating to Combined Elastic Floors only - VDp is the vertical deformation of the point elastic component

Friction - Overview

The Pendulum Tester incorporates a spring-loaded slider made of a standard rubber mounted to the end of a pendulum arm. Upon releasing the pendulum arm from a horizontal position, the loss of energy as the slider assembly passes over the test surface is measured by the reduction in length of the upswing using a calibrated scale.

Friction – Requirements	
Test Method	EN 13036-4: 2011
Requirement	80 – 110 PTV
Uniformity	No individual result shall differ from the mean by more than ± 4 units. Swings 3 – 5 must remain constant.
Friction – Test Equipment	
SL Equipment Number	SLØ05, SL092, SL394, SL302, SL490, SL395
Uncertainty Value	(k=2.04) ± 3/22 PTV

Friction – Results						
Test Date:	25/01/2021					
Technician:	QC					
Air Temperature:	22.6					
Surface Temperature:	20.1					
Humidity:	52					
Test Condition	DRY – as supplied					
RESULTS	Test 1					
Swing 1	85 - 84					
Swing 2	// 86 - 84					
Swing 3	87 - 83					
Swing 4	87 - 83					
Swing 5	88 - 82					
Overall Mean Result	85 PTV					
Requirement	80 – 110 PTV					
Pass/Fail	PASS					
	······································					

Resistance to Wear - Overview

Six samples are tested for resistance to wear using taber abrasion apparatus fitted with specific abrasive wheels. The mass of the unworn sample is measured and then it is exposed to 1000 cycles of wear on the taber abrader, after which the mass is then re-measured, and any mass loss determined.

						\	
Resistance to Wear – Requ	iirements						
Test Method		EN ISO 5470-1: 1999 *					
Requirement		Synthetic Surfaces ≤ 1000 mg per 1000 cycles					
Resistance to Wear – Test	Equipment						
SL Equipment Number			SL Taber	Abrader			
Resistance to Wear – Resu	lts						
Test Date:			27/02	/2/023			
Technician:			\searrow	н			
Air Temperature:			21	1.7			
Surface Temperature:			21	1.2			
Humidity:			4	3			
Test Condition			DRY – as	supplied	/		
RESULTS	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6	
Pre-Abrasion Mass (g)	56.2028	53.2536	53.9969	56.6207	52.6207	33.6273	
Post-Abrasion Mass (g)	56.1797	53.2216	53.9641	56.8249	52.5733	33.5854	
Mass Loss (g)	0.0231	0.032	0.0328	0.0428	0.0474	0.0419	
Overall Mean Result		0.036 g (36.7 mg)					
Requirement		Synthetic Surfaces ≤ 1000 mg per 1000 cycles					
Pass/Fail		PASS					

Specular Gloss - Overview

The specular gloss of the product is determined using a reflectometer with geometry of 85°. Six readings are taken in different areas or directions on the sample, and a mean result is determined which is given below as the overall mean specular gloss result.

			/			\	
pecular Gloss – Requirem	ents						
Test Method			EN 180-281	L3: 2000 *			
Requirement			Matt Surface Lacquered Su				
pecular Gloss – Test Equip	oment						
SL Equipment Number			SL Gloss	smeter		4	
			·				
pecular Gloss – Results							
Test Date:			15/02	/2023			
Technician:		Civi					
Air Temperature:		21.5					
Surface Temperature:			21	0	\mathcal{I}		
Humidity:			4.	3			
Test Condition /			DRY – as	supplied	·		
DECLUES / /	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6	
RESULTS	5	6.3	\$	4.1	5.3	4.5	
Overall Mean Result		30 %					
Requirement		Matt Surfaces ≤ 30 % Lacquered Surfaces ≤ 45 %					
Pass/Fail		PASS					

Conclusion The product submitted was tested in accordance with SOME methods and requirements outlined in EN 14904: 2006. We confirm all information presented within this report is accurate and appropriately reflects the performance of the samples submitted. Based upon the test results we consider the product supplied to have: Met the requirements of EN 14904: 2006 for the parameters tested Failed to meet some requirements of EN 14904: 2006 for the parameters tested **Sample Pictures** Sample Pictures - After Rolling Load

