TEST REPORT

16-0375IT

Issued on December 16th 2016

CUSTOMER

CASALI SPA

PRODUCT NAME

CONFOSPORT

TYPOLOGY

OUTDOOR SURFACE FOR MULTI-SPORT USE

Test in accordance with :

EN 14877:2013 Synthetic surfaces for outdoor sports areas – Specifications for synthetic surfaces for multi-sport applications

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TESTS PROGRAM

Verification of the values of some tests required by EN14877:2013 multi sport in accordance with the following test methods

REFERENCE STANDARDS AND REGULATIONS USED

UNI EN 14877:2013 Synthetic surfaces for outdoor sports areas – Specifications for synthetic surfaces for multi-sport applications

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

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

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

UNI EN ISO 5470-1:2001 Rubber- or plastics-coated fabrics — Determination of abrasion resistance — Taber abrader.

UNI EN 14836:2006 Surfaces for sports areas - Synthetic surfaces for outdoor sports areas - Test method for artificial weathering.

UNI EN 20105-A02:1996 Textiles - Tests for colour fastness - Grey scale for assessing change in colour

UNI EN 12230:2004 Surfaces for sports areas. Determination of tensile properties of synthetic sports surfaces

UNI EN 1969:2001 Surfaces for sports areas. Determination of thickness of synthetic sports surfaces.

STORAGE TIMES

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

SAMPLING

Sampling carried out by the customer.

TEST PERFORMANCE CONDITION IN LABORATORY

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

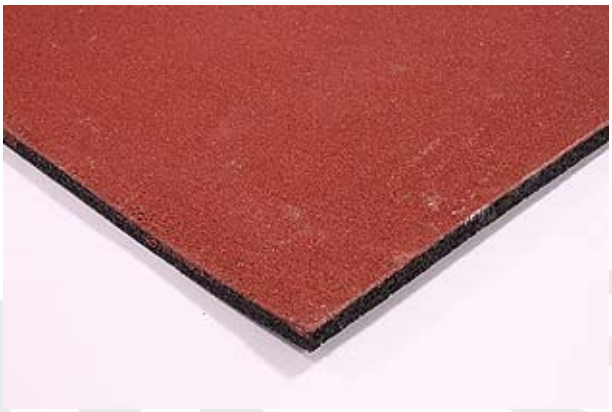
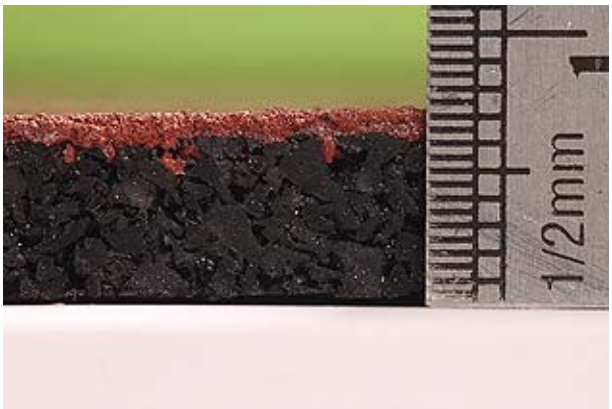
APPLICANT

COMPANY	**CASALI SPA**
ADDRESS	Zona Industriale C.I.A.F. 60015 Castelferretti (AN)
COUNTRY	Italy

ACQUISITION DATA

DATE ORDER RECEIVED	April 18th 2016
DATE FIRST SAMPLE RECEIVED	April 26th 2016
DATE LAST SAMPLE RECEIVED	April 16th 2016
TEST START DATE	May 12th 2016
TEST END DATE	November 14th 2016

SAMPLE IDENTIFICATION

Product name	CONFOSPORT
Description (as per manufacturer's data sheet)	From below. SBR Granular rubber prefabricated mat with 6 mm thick and 760kg/m^3 density. Smoothing layer composed of acrylic resins and selected sands with consumption 0.5kg/m^2. Coating coloured layer based on acrylic resins and selected sand with consumption 1.5kg/m^2 for a thickness of about 1 mm.
Upper side image	
Bottom side image	
Image section	

TESTS RESULTS

Test	Requirements	Result	Units	Test condition	Pass / Fail
Friction	80 - 110	**84**	-	Dry 23°C	**Pass**
	55 - 110	**73**		Wet 23°C	**Pass**
Vertical deformation	≤ 6.0	**0.6**	mm.	23°C	**Pass**
Vertical rebound	≥ 85%	**93**	%	23°C	**Pass**
Abrasion resistance	≤ 4.0	**2.3**	g	New 23°C	**Pass**
		2.1		After UVA	**Pass**
Colour change	≥ 3 grey scale	**4-5**	-	After UVA	**Pass**
Tensile strength	≥ 0.4	**0.81**	MPa	New 23°C	**Pass**
Elongation	≥ 40	**91**	%	New 23°C	**Pass**
Absolute thickness	≥ 7 mm.	**7.0**	mm.	New 23°C	**Pass**

ADDITIONAL INFORMATION

The tests carried out are only a part of those required by the normative reference.

CONCLUSIONS

None

Lab Director
Roberto Armeni

Lab technician
Davide Giorgini