

No. AJHL1701000321FB

Date: 24/01/2017

Sample Description: Artificial Grass**SGS Ref No.:** NJIN1701000091ML**Product Specification:** HOLY PX2, SOFT FS PX2, NOBEL PX2, FINE DUO PX2, PRESTIGE PX2, METIS PX2, MUSE PX2, SOFT AS PX2, ATURFPRO PX2, LIBRA PX2, LIBRAPRO PX2, VISTA PX2, OMEGA PX3, MAXPRO PX2, WAYUP PX2, MEMORY PX2, M BLADE PX2, SOFT MS PX2, CRYSTALPRO PX2, MAC, ULTRASPORT**Material and Mark:** PE & PP**Test Requested:**EN 13501-1:2007+A1:2009 Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests, Class E_{fl}**Test Period:**

Sample Receiving Date: 10/01/2017

Test Performing Date: 10/01/2017 to 23/01/2017

I. Test conducted

This test was conducted as per EN 13501-1:2007+A1:2009 Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests. And the test methods as following:

EN ISO 11925-2:2010 Reaction to fire tests - Ignitability of building products subjected to direct impingement of flame - Part 2: Single-flame source test.

II. Details of classified product

Description	ARTIFICIAL GRASS
Colour	Green

III. Test results

Test method	Parameter	Number of tests	Results
EN ISO 11925-2 Exposure = 15 s	F _s ≤ 150 mm	6	YES

IV. Classification and direct field of application

This classification has been carried out in accordance with EN 13501-1:2007+A1:2009.

a) Classification

The product, ARTIFICIAL GRASS, classification is as following,

Fire behaviour
E _{fl}

Reaction to fire classification: E_{fl}
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Remark: The classes with their corresponding fire performance are given in annex A.

Statement: The test results relate to the behaviour of the test specimens of a product under the particular condition of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Warning:

This classification report does not represent type approval or certification of the product.

The test laboratory has, therefore, play no part in sampling the product for the test, although it holds appropriate references to the manufacturer's factory production control that is aimed to be relevant to the samples tested and that will provide for their traceability.

Annex A

Classes of reaction to fire performance for floorings

Class	Test methods	Classification	Additional classification	
A _{fl}	EN ISO 1182 ^a and	$\Delta T \leq 30^{\circ}\text{C}$, $\Delta m \leq 50\%$, $t_f = 0$ (i.e. no sustained flaming)	and and	-
	EN ISO 1716	PCS $\leq 2.0\text{MJ/kg}$ ^a PCS $\leq 2.0\text{MJ/kg}$ ^b PCS $\leq 1.4\text{MJ/m}^2$ ^c PCS $\leq 2.0\text{MJ/kg}$ ^d	and and and	-
A _{2fl}	EN ISO 1182 ^a or	and	and and	-
	EN ISO 1716			
	EN ISO 9239-1 ^e	Critical flux ^f $\geq 8.0\text{kW/m}^2$		Smoke production ^g
B _{fl}	EN ISO 9239-1 ^e and	Critical flux ^f $\geq 8.0\text{kW/m}^2$		Smoke production ^g
	EN ISO 11925-2 ^h Exposure = 15s	F _s $\leq 150\text{mm}$ within 20s		-
C _{fl}	EN ISO 9239-1 ^e and	Critical flux ^f $\geq 8.0\text{kW/m}^2$		Smoke production ^g
	EN ISO 11925-2 ^h Exposure = 15s	F _s $\leq 150\text{mm}$ within 20s		-
D _{fl}	EN ISO 9239-1 ^e and	Critical flux ^f $\geq 8.0\text{kW/m}^2$		Smoke production ^g
	EN ISO 11925-2 ^h Exposure = 11s	F _s $\leq 150\text{mm}$ within 20s		-
E _{fl}	EN ISO 11925-2 ^h Exposure = 15s	F _s $\leq 150\text{mm}$ within 20s		-
F _{fl}	No performance determined			

^a For homogeneous products and substantial components of non-homogeneous products.

^b For any external non-substantial components of non-homogeneous products.

^c For any internal non-substantial components of non-homogeneous products.

^d For the products as a whole.

^e Test duration = 30 min.

^f Critical flux is defined as the radiant flux at which the flame extinguishes or the radiant flux after a test period of 30 min, whichever is the lower (i.e. the flux corresponding with the furthest extent of spread of flame).

^g s1 = Smoke 750 % minutes;

s2 = not s1.

^h Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack.

Photo Appendix:



SGS authenticate the photo on original report only

This document refers to the Manufacturer's original test report supplied to Outdure International Ltd.