



中国认可
国际互认
检测
TESTING
CNAS L4743

Test Report

No. AJFS2007006375FF

Date: AUG.19, 2020

Page 1 of 5

TILE MERCHANT

Dockrells Complex, Ballymount Road Upper, Ballymount,
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The following sample(s) was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion. results apply to the sample as received.

Sample Description: ARTIFICIAL TURF

SGS Ref No.: QDHL2007007673FB

Style/Item No.: /

Test Requested:

EN 13501-1:2018 Fire classification of construction products and building elements – Part 1:
Classification using data from reaction to fire tests

Test Results: -- See attached sheet --

Test Period:

Sample Receiving Date : AUG.03, 2020
Test Performing Date : AUG.03, 2020 TO AUG.14, 2020

Signed for and on behalf of
SGS-CSTC Co., Ltd. Anji Branch

Allen Zou
Lab Manager



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I. Test conducted

This test was conducted as per EN 13501-1:2018 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+Cor1:2011 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

Sample description	Artificial turf
Color	Green
Sample Size	250mm x 90mm
Thickness	24mm

III. Test results

Test methods	Parameter	Number of tests	Results
EN ISO 11925-2 Exposure = 15 s	Whether vertical flame spread (Fs) in excess of 150 mm within 20 s (Yes/No)	6	No

IV. Classification and direct field of application

a) Reference of classification

This classification has been carried out in accordance with **EN 13501-1:2018**.

b) Classification

The product, Artificial turf, in relation to its reaction to fire behaviour is classified:

Fire behaviour
E _{fl}

Reaction to fire classification: E_{fl}

Remark: The classes with their corresponding fire performance are given in annex A.

To be continued...



Statement:

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

The test results relate to the behaviour of the test specimens of a product under the particular conditions 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.

To be continued...



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Annex A

Classes of reaction to fire performance for floorings

Class	Test methods	Classification	Additional classification
A1 _{fi}	EN ISO 1182 ^a and	$\Delta T \leq 30^\circ\text{C}$, $\Delta m \leq 50\%$, $t_f = 0$ (i.e. no sustained flaming)	-
	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	-
A2 _{fi}	EN ISO 1182 ^a or	$\Delta T \leq 50^\circ\text{C}$, $\Delta m \leq 50\%$, $t_f \leq 20\text{s}$	-
	EN ISO 1716 and	PCS $\leq 3.0\text{MJ/kg}$ ^a PCS $\leq 4.0\text{MJ/m}^2$ ^b PCS $\leq 4.0\text{MJ/m}^2$ ^c PCS $\leq 3.0\text{MJ/kg}$ ^d	-
	EN ISO 9239-1 ^e	Critical flux $f \geq 8.0\text{kW/m}^2$	Smoke production ^g
B _{fi}	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 20 s	-
C _{fi}	EN ISO 9239-1 ^e and	Critical flux $f \geq 4.5\text{kW/m}^2$	Smoke production ^g
	EN ISO 11925-2 ^h Exposure = 15s	F _s $\leq 150\text{mm}$ within 20 s	-
D _{fi}	EN ISO 9239-1 ^e and	Critical flux $f \geq 3.0\text{kW/m}^2$	Smoke production ^g
	EN ISO 11925-2 ^h Exposure = 15s	F _s $\leq 150\text{mm}$ within 20 s	-
E _{fi}	EN ISO 11925-2 ^h Exposure = 15s	F _s $\leq 150\text{mm}$ within 20 s	-
F _{fi}	EN ISO 11925-2 ^h Exposure = 15s	F _s $> 150\text{mm}$ within 20 s	-

^a For homogeneous products and substantial components of non-homogeneous products.
^b For any external non-substantial component of non-homogeneous products.
^c For any internal non-substantial component of non-homogeneous products.
^d For the product 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 $\leq 750\%$ 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.

To be continued...



Photo Appendix:



SGS authenticate the photo on original report only

End of Report