The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description	
Style / Item No.	
Manufacturer	
Supplier	
Sample Receiving Date	: Apr.07, 2017
Test Performing Date	: Apr.07, 2017 to May 06, 2017

Test Result Summary

Test(s) Requested	Result(s)
EN 13501-1:2007+A1:2009	Classification: B
UV Exposure ISO 4892-3:2013, ISO 105-A02:1993 Cor 2:2005	Grey scale: 4

Summary:

1. For further details, please refer to the following page(s).

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

Kevin Pan
Approved signatory

528300 t (86-757)22805888 f (86-757)22805858 www.sgsgroup.com.cn
[illegible] t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com

TESTS AND RESULTS

Part 1

Test Conducted:

This test is 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, Class B. And the test methods as following:

EN 13823 EN ISO 11925-2 Reaction to fire tests — Ignitability of building products subjected to direct impingement of flame — Part 2: Single-flame source test.

Test Results:

Test method	Parameter	Number of tests	Results
EN 13823	*FIGRA*≤120W/s and *LFS*< edge of specimen and THR_{600s}≤7.5MJ	6	Pass
EN ISO 11925-2 Exposure =30s	*Fs*≤150mm within 60 s	6	Pass
	Ignition of the filter paper within 60 s		Pass

Classification and direct field of application:

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

Classification:

The product, "ARTIFICIAL TOPIARY BOXWOOD HEDGE PANEL", classification is as following.

Reaction to fire classification: B

Remark:

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

Reaction to fire classification is based on the 7-step scale of A1 to F, where A1 is good and F is bad

Statement:

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.

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Annex A

Table 1 — Classes of reaction to fire performance for construction products excluding floorings and linear pipe thermal insulation products.

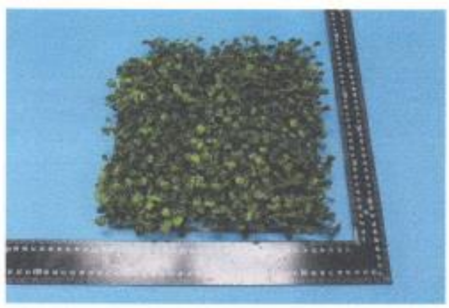
Class	Test method(s)		Classification criteria	Additional classification
A1	EN ISO 1182 [a]	and	$\Delta T \le 30$℃, and $\Delta m \le 50\%$, and $t_f = 0$(i.e. no sustained flaming)	-
	EN ISO 1716		$PCS \le 2.0$MJ/kg [a] and $PCS \le 2.0$MJ/kg [b] [c] and $PCS \le 1.4$MJ/m² [d] and $PCS \le 2.0$MJ/kg [e]	-
A2	EN ISO 1182 [a] or	and	$\Delta T \le 50$℃, and $\Delta m \le 50\%$, and $t_f \le 20$ s	-
	EN ISO 1716		$PCS \le 3.0$MJ/kg [a] and $PCS \le 4.0$MJ/m² [b] and $PCS \le 4.0$MJ/m² [d] and $PCS \le 3.0$MJ/kg [e]	-
	EN 13823		$FIGRA \le 120$W/s and $LFS <$ edge of specimen and $THR_{600s} \le 7.5$MJ	Smoke production [f] and Flaming droplets/particles [g]
B	EN 13823	and	$FIGRA \le 120$W/s and $LFS <$ edge of specimen and $THR_{600s} \le 7.5$MJ	Smoke production [f] and Flaming droplets/particles [g]
	EN ISO 11925-2 [i] Exposure =30s		$Fs \le 150$mm within 60 s	
C	EN 13823	and	$FIGRA \le 250$W/s and $LFS <$ edge of specimen and $THR_{600s} \le 15$MJ	Smoke production [f] and Flaming droplets/particles [g]
	EN ISO 11925-2 [i] Exposure=30s		$Fs \le 150$mm within 60 s	
D	EN 13823	and	$FIGRA \le 750$W/s	Smoke production [f] and Flaming droplets/particles [g]
	EN ISO 11925-2 [i] Exposure=30s		$Fs \le 150$mm within 60 s	
E	EN ISO 11925-2 [i] Exposure =15s		$Fs \le 150$mm within 20 s	Flaming droplets/particles [h]
F	No performance determined			

[a] For homogeneous products and substantial components of non-homogeneous products.
[b] For any external non-substantial component of non-homogeneous products.
[c] Alternatively, any external non-substantial component having a PCS ≤ 2,0 MJ/m², provided that the product satisfies the following criteria of EN 13823 *FIGRA*≤120W/s and *LFS*<edge of specimen and THR_{600s}≤7.5MJ.
[d] For any internal non-substantial component of non-homogeneous products.
[e] For the product as a whole.
[f] In the last phase of the development of the test procedure, modifications of the smoke measurement system have been introduced, the effect of which needs further investigation. This may result in a modification of the limit values and/or parameters for the evaluation of the smoke production.

s1 = SMOGRA ≤ $30m^2/s^2$ and TSP_{600s} ≤ $50m^2$; s2 = SMOGRA ≤ $180m^2/s^2$ and TSP_{600s} ≤ $200m^2$; s3 = not s1 or s2

[g] b0 = No flaming droplets/ particles in EN ISO 11925-2 within 600 s;
b1 = no flaming droplets/ particles persisting longer than 10 s in EN ISO 11925-2 within 600 s;
b2 = not b0 or b1.
Ignition of the paper in EN ISO 13823 results in a B2 classification.
[h] Pass = no ignition of the paper (no classification);
Fail = ignition of the paper (B2 classification).
[i] Under conditions of surface flame attack and, if appropriate to the end–use application of the product, edge flame attack.

SAMPLE INFORMATION AND PICTURES



Part 2

Test Information:

Sample description: See photo

Test item: UV Exposure

Test method: ISO 4892-3:2013, ISO 105-A02:1993 Cor 2:2005

Test conditions:

Exposure cycle: ISO 4892-3:2013 cycle 1

Lamp type: UVA-340

8h UV at (60±3)℃ BPT, 0.76W/(m^2•nm) @ 340nm

4h condensation at (50±3)℃ BPT

Exposure period: 480h

Test result(s):

Sample	Grey scale
1	4

Note: According to ISO 105-A02, the grey scale was determined under the D65 standard light, with scale 5 as the best and scale 1 as the worst.

Photo Appendix:

Original sample

Reference sample Tested sample

End of Report