Test Report

Report Number: 160725001SHF-BP-1

Applicant Name:	**NewTechWood Ltd./ HUIDONG MEIXIN PLASTIC LUMBER PRODUCTS MANUFACTURING CO.,Ltd**	**Report Date:**	**August 5, 2016**
Applicant Address:	**19111 Walden Forest Dr. Suite B Humble, Tx 77346, USA**		
Attn: Cliff Lam			

Sample Description:

Product:	NewTechWood UltraShield Vintage
Model:	US07
Sample Quantity:	18 pieces
Sample ID:	S160725001SHF-001~018
Date Received:	2016-07-22
Date Test Conducetd:	2016-08-01

Tests Conducted:

As requested by the applicant, for details refer to attached pages(s).

Conclusion:

For details refer to attached page(s).
The conclusions of this test report may not be used as part of the requirements for Intertek product certification. Authority to Mark must be issued for a product to become certified.

1 TEST METHOD AND CRITERIA

1.1 CRITICAL HEAT FLUX TEST

The test was conducted in accordance with EN ISO 9239-1：2010. This test evaluates the wind-opposed burning behavior and spread of flame of horizontally mounted floorings exposed to a heat flux radiant gradient in a test chamber, when ignited with pilot flames.

1.2 IGNITABILITY TEST

The test was conducted in accordance with EN ISO 11925-2:2010. This test evaluates the ignitability of a product under exposure to a small flame.

1.3 CLASSIFICATION CRITERIA

The classification was determined in accordance with EN 13501-1: 2007+A1: 2009. The class B_{fl} with their corresponding fire performance are given in the table below.

Table- Classes of reaction to fire performance for flooring

Class	Test Method(s)	Classification criteria	Additional classifications
B_{fl}	EN ISO 9239-1 [a] and	Critical flux [b] $\geqslant$ 8.0 kW/m^2	Smoke production [c]
	EN ISO 11925-2 [d] Exposure=15 s	$F_S \leqslant$ 150 mm within 20 s	--

Note

a. Test duration = 30 min.
b. 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).
c. s1 = Smoke $\leqslant$ 750 % minutes; s2 = not s1.
d. Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack.

2 RESULTS AND OBSERATIONS

The test results were shown in Table below.

Method	Parameter	Result
EN ISO 9239-1:2010	Critical flux (transverse), kW/m^2	10.8
	Critical flux (longitudinal), kW/m^2	10.9
	Smoke production, % minutes	38
EN ISO 11925-2:2010	Fs, mm	35

Note:

This test was conducted at the external approved facility, located at Guangzhou.

3 CLASSIFICATION

The classification has been carried out in accordance with EN 13501-1.

Fire behaviour		Smoke production	
B_{fl}	-	s	*1*

Reaction to fire classification: B_{fl} - *s1*

4 Test Photos

Before test

After test

Appendix A: Sample received photo

Approved by:

Name: Sun Sun	Name: Harrison Li	Name: Jason Xu
Title：Approver	Title：Reviewer	Title：Project Engineer

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The End of Report