

## Test Report

No. AJHL1609010360FB

Date: OCT.31, 2016

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WENLING JIN WEI CRAFT WOVEN CO., LTD.

TAIXING INDUSTRIAL PARK, BINHAI TOWN, WENLING, ZHEJIANG CHINA

**This test report is a translation of report No. AJHL1609010360FB\_CN. If any dispute or misunderstanding happens, the Chinese version prevails.**

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

**Sample Description:** PE WALLPAPER

**SGS Ref No.:** NBHL1609012775SD

**Manufacturer:** WENLING JIN WEI CRAFT WOVEN CO., LTD.

### **Test Requested:**

GB 8624-2012 classification for burning behavior of building materials and products plate construction products

**Test Results:** -- See attached sheet --

### **Test Period:**

Sample Receiving Date : SEP.27, 2016

Test Performing Date : SEP.27, 2016 TO OCT.13, 2016

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

Allen Zou  
Technical Manager



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### I. Test conduct

This test is conducted as per GB 8624-2012 classification for burning behavior of building materials and products. And the test methods as following:

1. GB/T 20284-2006 Requirements and mark on burning behavior of fire retarding products and sub-assemblies in public place.
2. GB/T 8626-2007 Test method of flammability for building materials.

### II. Details of classified product

#### a) Nature and end use application

The product "PE WALLPAPER" is defined as decorative material. Its end use application is "Wallcloth and interior decoration cloth"

#### b) Description

|         |                            |
|---------|----------------------------|
| Name    | PE WALLPAPER               |
| Color   | Beige                      |
| Density | About 254 g/m <sup>2</sup> |

#### Mounting and fixing (GB/T 20284):

Glue (provided by sponsor): Name (Wall with strong adhesive), Manufactory:(Cologne (Germany) Chemical Co., Ltd) Calcium silicate board, with its density approximate 900kg/m<sup>3</sup>, thickness approximate 9mm, is as the substrate. Test specimen was glued to the substrate in accordance with the client's requirement. No joint in the long wing of the specimen.

### III. Test result

| Test method                  | Parameter                                | Number of tests | Results |
|------------------------------|--|-----------------|---------|
| GB/T 20284                   | FIGRA (W/s)                              | 3               | 44.2    |
|                              | LFS < edge of specimen                   |                 | Yes     |
|                              | THR <sub>600s</sub> (MJ)                 |                 | 2.9     |
|                              | SMOGRA (m <sup>2</sup> /s <sup>2</sup> ) |                 | 12.2    |
|                              | TSP <sub>600s</sub> (m <sup>2</sup> )    |                 | 44.9    |
|                              | Flaming particles or droplets            |                 | No      |
| GB/T 8626<br>Exposure = 30 s | FS within 60s ≤ 150 mm                   | 6               | Yes     |
|                              | Ignition of the filter paper within 60s  |                 | No      |

To be continued....



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### IV. Classification and direct field of application

This classification has been carried out in accordance with GB 8624-2012 chapter 5.1, the classes with their corresponding fire performance are given in annex A.

#### a) Classification

The product, PE WALLPAPER, classification is as following:

B

**Reaction to fire classification: GB 8624 B<sub>1</sub> (B-s1,d0)**

#### b) Field of application

This classification for the submitted sample is valid for the following end use condition:

- With all substrates classified A1 or A2
- Glue
- No joint

Characteristics of the various layers identical to those as described in §II b) of this test report.

**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.

To be continued...



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Annex A

| Class          |                | Test method(s)              |     | Classification criteria   |
|----------------|----------------|-----------------------------|-----|---|
| A              | A <sub>1</sub> | GB/T 5464 <sup>a</sup> and  |     | $\Delta T \leq 30^\circ\text{C}$ , and<br>$\Delta m \leq 50\%$ , and<br>$t_f = 0$                       |
|                |                | GB/T 14402                  |     | $PCS \leq 2.0\text{MJ/kg}$ <sup>a,b,c,e</sup> and<br>$PCS \leq 1.4\text{MJ/m}^2$ <sup>d</sup>           |
|                | A <sub>2</sub> | GB/T 5464 <sup>a</sup> or   | and | $\Delta T \leq 50^\circ\text{C}$ , and<br>$\Delta m \leq 50\%$ , and<br>$t_f \leq 20\text{ s}$          |
|                |                | GB/T 14402                  |     | $PCS \leq 3.0\text{MJ/kg}$ <sup>a,e</sup> and<br>$PCS \leq 4.0\text{MJ/m}^2$ <sup>b,d</sup>             |
|                |                | GB/T 20284                  |     | $FIGRA \leq 120\text{W/s}$ and<br>$LFS < \text{edge of specimen}$ and<br>$THR_{600s} \leq 7.5\text{MJ}$ |
| B <sub>1</sub> | B              | GB/T 20284 and              |     | $FIGRA \leq 120\text{W/s}$ and<br>$LFS < \text{edge of specimen}$ and<br>$THR_{600s} \leq 7.5\text{MJ}$ |
|                |                | GB/T 8626<br>Exposure = 30s |     | $F_s \leq 150\text{mm}$ within 60 s   |
|                | C              | GB/T 20284 and              |     | $FIGRA \leq 250\text{W/s}$ and<br>$LFS < \text{edge of specimen}$ and<br>$THR \leq 15\text{MJ}$         |
|                |                | GB/T 8626<br>Exposure = 30s |     | $F_s \leq 150\text{mm}$ within 60 s   |
| GB/T 20285     |                |                             |     |   |
| B <sub>2</sub> | D              | GB/T 20284 and              |     | $FIGRA \leq 750\text{W/s}$  |
|                |                | GB/T 8626<br>Exposure = 30s |     | $F_s \leq 150\text{mm}$ within 60 s   |
|                | E              | GB/T 8626<br>Exposure = 15s |     | $F_s \leq 150\text{ mm}$ within 20 s  |
| B <sub>3</sub> | F              | No performance determined   |     |   |

To be continued...



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- 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  $\leq 2,0 \text{ MJ/m}^2$ , if the product satisfies the following criteria:  $\text{FIGRA}_{0,2\text{MJ}} \leq 20 \text{ W/s}$ , and  $\text{LFS} < \text{edge of specimen}$ , and  $\text{THR}_{600\text{s}} \leq 4.0 \text{ MJ}$ , and  $s_1$ , and  $d_0$ , it will be  $A_1$
- d: For any internal non-substantial component of non-homogeneous products;
- e: For the product as a whole.

### Characteristics of smoke production classification and Classification criteria

| Characteristics of smoke production classification | Test method | Classification criteria  |   |
|--|-------------|--|---|
| S1   | GB/T 20284  | Building materials and products<br>Except for flooring and linear pipe<br>thermal insulation product | $\text{SMOGRA} \leq 30 \text{ m}^2/\text{s}^2$<br>$\text{TSP} \leq 50 \text{ m}^2$    |
|  |             | linear pipe thermal insulation<br>product  | $\text{SMOGRA} \leq 105 \text{ m}^2/\text{s}^2$<br>$\text{TSP} \leq 250 \text{ m}^2$  |
|  | GB11785     | flooring   | Smoke<br>production $\leq 75\% \times \text{min}$                                     |
| S2   | GB/T 20284  | Building materials and products<br>Except for flooring and linear pipe<br>thermal insulation product | $\text{SMOGRA} \leq 180 \text{ m}^2/\text{s}^2$<br>$\text{TSP} \leq 200 \text{ m}^2$  |
|  |             | linear pipe thermal insulation<br>product  | $\text{SMOGRA} \leq 580 \text{ m}^2/\text{s}^2$<br>$\text{TSP} \leq 1600 \text{ m}^2$ |
|  | GB11785     | Flooring   | Not s1  |
| S3   | Not s2      |  |   |

### Flaming droplets/ particles and Classification criteria

- $d_0$  = No flaming droplets/ particles in GB/T 20284-2006 within 600 s;
- $d_1$  = No flaming droplets/ particles persisting longer than 10 s in GB/T 20284-2006 within 600 s;
- $d_2$  = Not  $d_1$ .

To be continued....





Photo Appendix:



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\*\*\*End of Report\*\*\*



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