

# ANHUI JIT NEW MATERIAL CO., LTD.

## TEST REPORT

**REPORT NUMBER**

180704157GZU-001

**ISSUE DATE**

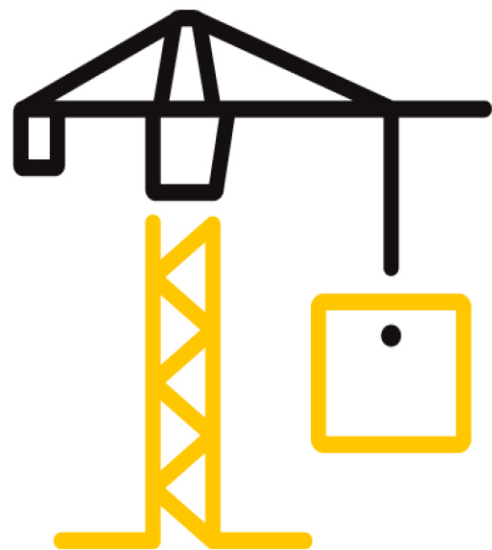
2018/8/15

**[REVISED DATE]**

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06-January-1900



## Test Report

Issue Date: 2018/8/15 Intertek Report No. 180704157GZU-001

Applicant: ANHUI JIT NEW MATERIAL CO., LTD.

Applicant Address: No. 7, SongQuan East Road, Xuancheng Hi-tech industrial development Zone, AnHui Province, China

Attn: Xuezhil Lin

**SUBJECT:** Performance testing  
<<Tile Backer Board>>

Dear Sir,

This test report for represents the results of our evaluation of the above referenced product(s) to the requirements contained in the following standards:

| TEST METHODS AND STANDARDS         |  |
|------------------------------------|--|
| Refer to the next following Pages. |  |

| SAMPLE ID          | MODEL     | SPECIFICATION | BRAND NAME/REMARK |
|--------------------|-----------|---------------|-------------------|
| S180704157-001~010 | TB1256080 | 80x600x1250mm | JIT               |
| S180704157-011~020 | TB120606  | 6x600x1200mm  |                   |

SAMPLE RECEIVED: 2018/7/4  
TESTED FROM: 2018/7/4 TO 2018/8/15

Test lab address: Room 4103 & 4203, No. 63, Punan Road, Huangpu District, Guangzhou, Guangdong Province, China

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## Test Report

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### Test Items, Method and Results:

| No.   | Test Item        | Test Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Test Result                                                                                                                                                                                                                                                                                                                       | Verdict        |  |               |    |    |    |      |    |    |                           |    |    |      |    |      |      |      |      |      |                           |      |      |      |    |    |    |      |    |    |                           |    |    |      |                                                                                                                                                                                                                            |      |
|-------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--|---------------|----|----|----|------|----|----|---------------------------|----|----|------|----|------|------|------|------|------|---------------------------|------|------|------|----|----|----|------|----|----|---------------------------|----|----|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 1     | Length and width | Test method: EN 822:2013<br>Nominal length and width: 1250×600mm<br>Requirement of Clause 4.2.2 of EN 13164:2012+A1:2015:<br>Nominal length or width<1500mm, tolerances for length and width shall be within ±8mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TB1256080:<br>Average length: 1250mm<br>Max. length: 1250mm<br>Min. length: 1250mm<br>Average width: 600.97mm<br>Max. width: 601,32mm<br>Min. width: 600,72mm<br><br>TB120606:<br>Average length: 1201mm<br>Max. length: 1201mm<br>Min. length: 1201mm<br>Average width: 602,19mm<br>Max. width: 602,80mm<br>Min. width: 601,68mm | Pass           |  |               |    |    |    |      |    |    |                           |    |    |      |    |      |      |      |      |      |                           |      |      |      |    |    |    |      |    |    |                           |    |    |      |                                                                                                                                                                                                                            |      |
| 2     | Thickness        | Test method: EN 823:2013<br>Nominal thickness d <sub>N</sub> : 80mm<br>Requirement of Clause 4.2.3 of EN 13164:2012+A1:2015: <table><tr><td>Class</td><td colspan="2">Tolerances, mm</td><td>Thickness, mm</td></tr><tr><td rowspan="3">T1</td><td>-2</td><td>+2</td><td>&lt; 50</td></tr><tr><td>-2</td><td>+3</td><td>50 ≤ d<sub>N</sub> ≤ 120</td></tr><tr><td>-2</td><td>+6</td><td>&gt;120</td></tr><tr><td rowspan="3">T2</td><td>-1.5</td><td>+1.5</td><td>&lt; 50</td></tr><tr><td>-1.5</td><td>+1.5</td><td>50 ≤ d<sub>N</sub> ≤ 120</td></tr><tr><td>-1.5</td><td>+1.5</td><td>&gt;120</td></tr><tr><td rowspan="3">T3</td><td>-1</td><td>+1</td><td>&lt; 50</td></tr><tr><td>-1</td><td>+1</td><td>50 ≤ d<sub>N</sub> ≤ 120</td></tr><tr><td>-1</td><td>+1</td><td>&gt;120</td></tr></table><br>Client declaration: T3 | Class                                                                                                                                                                                                                                                                                                                             | Tolerances, mm |  | Thickness, mm | T1 | -2 | +2 | < 50 | -2 | +3 | 50 ≤ d <sub>N</sub> ≤ 120 | -2 | +6 | >120 | T2 | -1.5 | +1.5 | < 50 | -1.5 | +1.5 | 50 ≤ d <sub>N</sub> ≤ 120 | -1.5 | +1.5 | >120 | T3 | -1 | +1 | < 50 | -1 | +1 | 50 ≤ d <sub>N</sub> ≤ 120 | -1 | +1 | >120 | TB1256080:<br>Average thickness: 79,84mm<br>Max. thickness: 80,08mm<br>Min. thickness: 79,60mm<br>Class: T3<br><br>TB120606:<br>Average thickness: 6,37mm<br>Max. thickness: 6,61mm<br>Min. thickness: 6,21mm<br>Class: T3 | Pass |
| Class | Tolerances, mm   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Thickness, mm                                                                                                                                                                                                                                                                                                                     |                |  |               |    |    |    |      |    |    |                           |    |    |      |    |      |      |      |      |      |                           |      |      |      |    |    |    |      |    |    |                           |    |    |      |                                                                                                                                                                                                                            |      |
| T1    | -2               | +2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | < 50                                                                                                                                                                                                                                                                                                                              |                |  |               |    |    |    |      |    |    |                           |    |    |      |    |      |      |      |      |      |                           |      |      |      |    |    |    |      |    |    |                           |    |    |      |                                                                                                                                                                                                                            |      |
|       | -2               | +3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 50 ≤ d <sub>N</sub> ≤ 120                                                                                                                                                                                                                                                                                                         |                |  |               |    |    |    |      |    |    |                           |    |    |      |    |      |      |      |      |      |                           |      |      |      |    |    |    |      |    |    |                           |    |    |      |                                                                                                                                                                                                                            |      |
|       | -2               | +6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | >120                                                                                                                                                                                                                                                                                                                              |                |  |               |    |    |    |      |    |    |                           |    |    |      |    |      |      |      |      |      |                           |      |      |      |    |    |    |      |    |    |                           |    |    |      |                                                                                                                                                                                                                            |      |
| T2    | -1.5             | +1.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | < 50                                                                                                                                                                                                                                                                                                                              |                |  |               |    |    |    |      |    |    |                           |    |    |      |    |      |      |      |      |      |                           |      |      |      |    |    |    |      |    |    |                           |    |    |      |                                                                                                                                                                                                                            |      |
|       | -1.5             | +1.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 50 ≤ d <sub>N</sub> ≤ 120                                                                                                                                                                                                                                                                                                         |                |  |               |    |    |    |      |    |    |                           |    |    |      |    |      |      |      |      |      |                           |      |      |      |    |    |    |      |    |    |                           |    |    |      |                                                                                                                                                                                                                            |      |
|       | -1.5             | +1.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | >120                                                                                                                                                                                                                                                                                                                              |                |  |               |    |    |    |      |    |    |                           |    |    |      |    |      |      |      |      |      |                           |      |      |      |    |    |    |      |    |    |                           |    |    |      |                                                                                                                                                                                                                            |      |
| T3    | -1               | +1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | < 50                                                                                                                                                                                                                                                                                                                              |                |  |               |    |    |    |      |    |    |                           |    |    |      |    |      |      |      |      |      |                           |      |      |      |    |    |    |      |    |    |                           |    |    |      |                                                                                                                                                                                                                            |      |
|       | -1               | +1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 50 ≤ d <sub>N</sub> ≤ 120                                                                                                                                                                                                                                                                                                         |                |  |               |    |    |    |      |    |    |                           |    |    |      |    |      |      |      |      |      |                           |      |      |      |    |    |    |      |    |    |                           |    |    |      |                                                                                                                                                                                                                            |      |
|       | -1               | +1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | >120                                                                                                                                                                                                                                                                                                                              |                |  |               |    |    |    |      |    |    |                           |    |    |      |    |      |      |      |      |      |                           |      |      |      |    |    |    |      |    |    |                           |    |    |      |                                                                                                                                                                                                                            |      |

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|   |                                                                           |                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                      |      |
|---|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 3 | Squareness                                                                | <p>Test method: EN 824:2013<br/>Nominal length and width: 1250×600mm<br/>Requirement of Clause 4.2.2 of EN 13164:2012+A1:2015:<br/>Nominal length or width&lt;1500mm, tolerances for length and width shall be less than 5mm/m</p>                                                                            | <p>TB1256080:<br/>Max. squareness:<br/>0,25mm/m</p> <p>TB120606:<br/>Max. squareness:<br/>1,35mm/m</p>                                                                                                                                                               | Pass |
| 4 | Flatness                                                                  | <p>Test method: EN 825:2013<br/>Nominal length and width: 1250×600mm<br/>Requirement of Clause 4.2.2 of EN 13164:2012+A1:2015:<br/>Nominal length or width&lt;1500mm, tolerances for length and width shall be less than 6mm/m</p>                                                                            | <p>TB1256080:<br/>Max. flatness:<br/>0,60mm/m</p> <p>TB120606:<br/>Max. flatness:<br/>1,35mm/m</p>                                                                                                                                                                   | Pass |
| 5 | Compression behaviour                                                     | <p>Test method: EN 826:2013<br/>Client declaration: Level CS(10\Y)300, <math>\geq 300\text{KPa}</math><br/>Requirement of Clause 4.3.4 of EN 13164:2012+A1:2015:<br/>Level CS(10\Y)300 <math>\geq 300\text{KPa}</math></p>                                                                                    | <p>TB1256080:<br/>Min. Compress strength:<br/>523KPa</p> <p>TB120606:<br/>Min. Compress strength:<br/>483KPa</p>                                                                                                                                                     | Pass |
| 6 | Dimensional stability under specified temperature and humidity conditions | <p>Test method: EN 1604:2013<br/>Client declaration: <math>\leq 5\%</math> specified temperature and humidity conditions: 70°C and 90%R.H.<br/>Requirement of Clause 4.3.2 of EN 13164:2012+A1:2015:<br/>when tested under conditions: 48 h, 70 °C, 90 % R.H., the dimension change shall be less than 5%</p> | <p>TB1256080:<br/>The max. length change:<br/>2,1%<br/>The max. width change:<br/>0,1%<br/>The max. thickness change:<br/>1,1%</p> <p>TB120606:<br/>The max. length change:<br/>0,1%<br/>The max. width change:<br/>0,1%<br/>The max. thickness change:<br/>1,8%</p> | Pass |

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|    |                                                                         |                                                                                                                                                                                     |                                                                |                |                                                                                                                                                                                                                                                                             |      |
|----|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 7  | Deformation under specified compressive load and temperature conditions | Test method: EN 1605:2013<br>Requirement of Clause 4.3.3 of EN 13164:2012+A1:2015:                                                                                                  |                                                                |                | TB1256080:<br>Load: 20KPa<br>The max. total relative deformation: 1,2%<br>Load: 40KPa<br>The max. total relative deformation: 1,6%<br><br>TB120606:<br>Load: 20KPa<br>The max. total relative deformation: 3,7%<br>Load: 40KPa<br>The max. total relative deformation: 3,4% | Pass |
|    |                                                                         | Level                                                                                                                                                                               | Test conditions                                                | Requirement, % |                                                                                                                                                                                                                                                                             |      |
|    |                                                                         | DLT(1)5                                                                                                                                                                             | load: 20 kPa<br>temperature: (80 ± 1) °C<br>time: (48 ± 1) h.  | ≤5             |                                                                                                                                                                                                                                                                             |      |
|    |                                                                         | DLT(2)5                                                                                                                                                                             | load: 40 kPa<br>temperature: (70 ± 1) °C<br>time: (168 ± 1) h. | ≤5             |                                                                                                                                                                                                                                                                             |      |
|    |                                                                         |                                                                                                                                                                                     |                                                                |                |                                                                                                                                                                                                                                                                             |      |
| 8  | Long term water absorption                                              | Test method: Method 2A of EN 12087:2013<br>Client declaration: Level: WL(T)3<br>Requirement of Clause 4.3.7.1 of EN 13164:2012+A1:2015:<br>Level: WL(T)3:<br>Requirement Volume ≤3% |                                                                |                | TB1256080:<br>Max. volume percent: 1,2%                                                                                                                                                                                                                                     | Pass |
| 9  | Tensile strength perpendicular to faces                                 | Test method: EN 1607:2013<br>Client declaration: Level: TR400<br>Requirement of Clause 4.3.5 of EN 13164:2012+A1:2015:<br>Level: TR400:<br>Requirement ≥400KPa                      |                                                                |                | TB1256080:<br>Min. tensile strength: 536KPa<br><br>TB120606:<br>Min. tensile strength: 465KPa                                                                                                                                                                               | Pass |
| 10 | Thermal resistance and thermal conductivity                             | Test method: EN 12667:2001<br>Client declaration: thermal resistance: 0,30m²K/W<br>Requirement of Clause 4.2.1 of EN 13164:2012+A1:2015:<br>declared                                |                                                                |                | TB1256080:<br>Thermal conductivity: 0,035 W/(m·K)<br>Thermal resistance: 2,286 m²·K/W<br><br>TB120606:<br>Thermal conductivity: 0,036 W/(m·K)<br>Thermal resistance: 0,174 m²·K/W                                                                                           | —    |

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The client declared that the product family has a serial of models with different dimensions, this report is based on the thinnest board TB120606(6X600X1200mm) and thickest board TB1256080(80x600x1250).

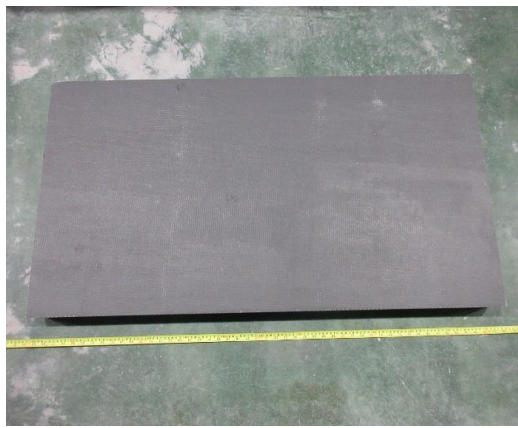
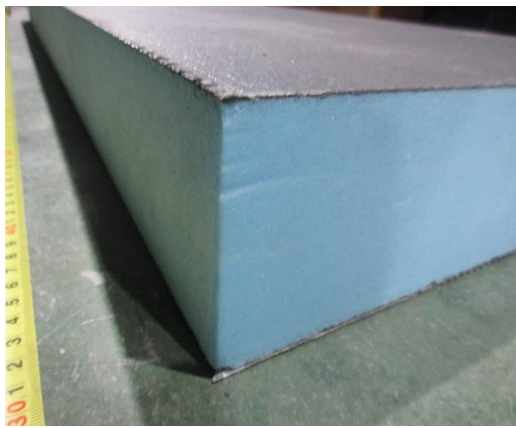
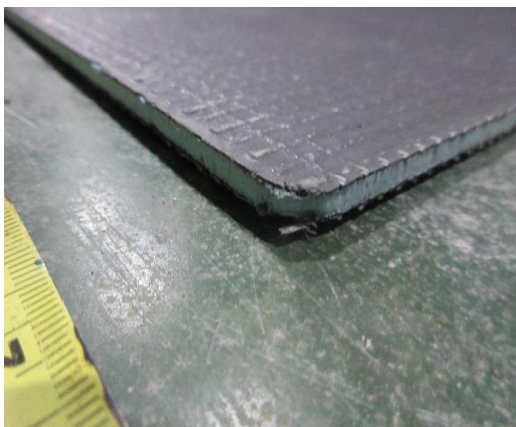
| Product name      | Size(LxWxT) | Model     |
|-------------------|-------------|-----------|
| Tile Backer Board | 1200x600x6  | TB120606  |
|                   | 1250X600X6  | TB125606  |
|                   | 1200x600x10 | TB1206010 |
|                   | 1250X600X10 | TB1256010 |
|                   | 1200X600X12 | TB1206012 |
|                   | 1250X600X12 | TB1256012 |
|                   | 1200X600X20 | TB1206020 |
|                   | 1250X600X20 | TB1256020 |
|                   | 1250X600X30 | TB1256030 |
|                   | 1250X600X50 | TB1256050 |
|                   | 1250X600X80 | TB1256080 |
|                   | 2500X600X10 | TB2506010 |
|                   | 2440X600X12 | TB2446012 |
|                   | 2500X600X12 | TB2506012 |
|                   | 2440X600X20 | TB2446020 |
|                   | 2500X600X20 | TB2506020 |
|                   | 2440X600X30 | TB2446030 |
|                   | 2500X600X30 | TB2506030 |
|                   | 2440X600X40 | TB2446040 |
|                   | 2500X600X40 | TB2506040 |
|                   | 2440X600X50 | TB2446050 |
|                   | 2500X600X50 | TB2506050 |
|                   | 2440X600X80 | TB2446080 |
|                   | 2500X600X80 | TB2506080 |

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### APPENDIX A: SAMPLE RECEIVED PHOTO

|                                                                                    |                                                                                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   |   |
| A1. Face view of sample TB1256080                                                  | A2. Back view of sample TB1256080                                                   |
|  |  |
| A3. Face view of sample TB120606                                                   | A4. Back view of sample TB120606                                                    |

### REPORT AUTHORIZED

When signed with physical or electronic signature, the contents of this report have been prepared and approved per Intertek's quality process in accordance with ISO 17025.



Name: Jeff Deng

Title: Manager



Name: Kelming Wang

Title: Senior Project  
Engineer

**Revision:**

| Report NO.       | DATE      | Revision Reason | Revision Summary | AUTHOR       | REVIEWER  |
|------------------|-----------|-----------------|------------------|--------------|-----------|
| 180704157GZU-001 | 2018/8/15 | /               | First issue      | Kelming Wang | Jeff Deng |

**End of Test Report**