

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                         |                                                                                                                   |            |                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------------|------------------------------|
| Prüfbericht-Nr.:<br>Test Report No.:                                                                                                                                                                                                                                                                                                                                                                                                                                        | SI500770 002                                                                                                                                                            | Auftrags-Nr.:<br>Order No.:                                                                                       | 244496105  | Seite 1 von 7<br>Page 1 of 7 |
| Kunden-Referenz-Nr.:<br>Client Reference No.:                                                                                                                                                                                                                                                                                                                                                                                                                               | 10665807                                                                                                                                                                | Auftragsdatum:<br>Order date:                                                                                     | 02.03.2023 |                              |
| Auftraggeber:<br>Client/Contact:                                                                                                                                                                                                                                                                                                                                                                                                                                            | GAUDIAHOME, s.r.o<br>Vysokoskolakov 8421/41, 010 08 ZILINA, SLOVAKIA<br>Email: /, TEL: /                                                                                |                                                                                                                   |            |                              |
| Prüfgegenstand:<br>Test item:                                                                                                                                                                                                                                                                                                                                                                                                                                               | Acoustic panel natural oak                                                                                                                                              |                                                                                                                   |            |                              |
| Bezeichnung / Typ-Nr.:<br>Identification / Type No.:                                                                                                                                                                                                                                                                                                                                                                                                                        | 2600x605x21mm                                                                                                                                                           |                                                                                                                   |            |                              |
| Auftrags-Inhalt:<br>Order content:                                                                                                                                                                                                                                                                                                                                                                                                                                          | Performance testing                                                                                                                                                     |                                                                                                                   |            |                              |
| Prüfgrundlage:<br>Test specification:                                                                                                                                                                                                                                                                                                                                                                                                                                       | EN 13501-1:2018 Fire classification of construction products and building elements -<br>Part 1: Classification using data from reaction to fire tests<br>Class D-s2, d0 |                                                                                                                   |            |                              |
| Sample obtaining<br>method:                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input checked="" type="checkbox"/> Sending by customer <input type="checkbox"/> Sampling by TUV staffs<br><input type="checkbox"/> other (please describe: _____ )     |                                                                                                                   |            |                              |
| Wareneingangsdatum:<br>Date of receipt:                                                                                                                                                                                                                                                                                                                                                                                                                                     | 03.03.2023                                                                                                                                                              |                                |            |                              |
| Prüfmuster-Nr.:<br>Test sample No.:                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1V0323000066                                                                                                                                                            |                                                                                                                   |            |                              |
| Prüfzeitraum:<br>Testing period:                                                                                                                                                                                                                                                                                                                                                                                                                                            | 10.03.2023~13.03.2023                                                                                                                                                   |                                                                                                                   |            |                              |
| Ort der Prüfung:<br>Place of testing:                                                                                                                                                                                                                                                                                                                                                                                                                                       | Guangzhou                                                                                                                                                               |                                                                                                                   |            |                              |
| Prüflaboratorium:<br>Testing laboratory:                                                                                                                                                                                                                                                                                                                                                                                                                                    | TUV Rheinland (Shanghai)<br>Co.,Ltd.                                                                                                                                    |                                                                                                                   |            |                              |
| Prüfergebnis*:<br>Test result*:                                                                                                                                                                                                                                                                                                                                                                                                                                             | Pass                                                                                                                                                                    |                                                                                                                   |            |                              |
| geprüft von / tested by:                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                         | kontrolliert von / reviewed by:                                                                                   |            |                              |
| 13.03.2023 Daniel Chen / <i>Daniel Chen</i><br>Datum Name / Stellung Unterschrift<br>Date Name / Position Signature                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                         | 15.05.2023 Alex Gu / Reviewer <i>Alex</i><br>Datum Name / Stellung Unterschrift<br>Date Name / Position Signature |            |                              |
| Sonstiges / Other:<br>Details see the follow pages.<br>Replace the report SI500770 001.                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                         |                                                                                                                   |            |                              |
| Zustand des Prüfgegenstandes bei Anlieferung:<br>Condition of the test item at delivery:                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                         | Prüfmuster vollständig und unbeschädigt<br>Test item complete and undamaged                                       |            |                              |
| * Legende: 1 = sehr gut    2 = gut    3 = befriedigend    4 = ausreichend    5 = mangelhaft<br>P(ass) = entspricht o.g. Prüfgrundlage(n)    F(ail) = entspricht nicht o.g. Prüfgrundlage(n)    N/A = nicht anwendbar    N/T = nicht getestet<br>Legend: 1 = very good    2 = good    3 = satisfactory    4 = sufficient    5 = poor<br>P(ass) = passed a.m. test specification(s)    F(ail) = failed a.m. test specification(s)    N/A = not applicable    N/T = not tested |                                                                                                                                                                         |                                                                                                                   |            |                              |
| Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.<br>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.                                |                                                                                                                                                                         |                                                                                                                   |            |                              |

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[illegible]

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**Produktbeschreibung**  
**Product description**

|          |                                                                |                            |
|----------|----------------------------------------------------------------|----------------------------|
| <b>1</b> | <b>Produktdetails</b><br><i>Product details</i>                | Acoustic panel natural oak |
| <b>2</b> | <b>Maße</b><br><i>Dimensions</i>                               | 2600x605x21mm              |
| <b>3</b> | <b>Bedienelemente</b><br><i>Operating elements</i>             | N/A                        |
| <b>4</b> | <b>Ausstattung / Zubehör</b><br><i>Equipment / Accessories</i> | N/A                        |
| <b>5</b> | <b>Verwendete Materialien</b><br><i>Used materials</i>         | N/A                        |
| <b>6</b> | <b>Sonstiges</b><br><i>Other</i>                               | N/A                        |

Test sample (provide by client)

Test sample (provide by client)



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|        |                                                         |                                    |                   |
|--------|---------------------------------------------------------|------------------------------------|-------------------|
| Absatz | <b>EN 13501-1:2018</b>                                  | Messergebnisse - Bemerkungen       | Bewertung         |
| Clause | Anforderungen - Prüfungen / <i>Requirements - Tests</i> | <i>Measuring results - Remarks</i> | <i>Evaluation</i> |

| 1                                                    | <div>Test conducted</div> <div>This test is 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:</div> <div><div>1. EN 13823:2020 Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item.</div><div>2. EN ISO 11925-2:2020 Reaction to fire tests - Ignitability of building products subjected to direct impingement of flame - Part 2: Single-flame source test.</div></div>                                                                                                                                                                                                                                                                                                                                                   |                  |             |                  |             |                  |                              |               |     |   |       |                                                                                                                                                                    |         |                  |       |       |      |                                                      |               |    |    |       |      |                                       |               |     |       |      |                                           |               |    |    |    |      |                                         |                  |    |    |      |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|------------------|-------------|------------------|------------------------------|---------------|-----|---|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------|-------|-------|------|------------------------------------------------------|---------------|----|----|-------|------|---------------------------------------|---------------|-----|-------|------|-------------------------------------------|---------------|----|----|----|------|-----------------------------------------|------------------|----|----|------|
| 2                                                    | <div>Test results</div> <div>Reaction to fire classification: Class D-s2, d0</div> <table><tr><th>Parameter</th><th>Test method</th><th>Results</th><th>Requirement</th><th>Verdict</th></tr><tr><td>FIGRA<sub>0.4MJ</sub> (W/s)</td><td>EN 13823:2020</td><td>512</td><td rowspan="2">D</td><td>≤ 750</td><td>Pass</td></tr><tr><td>Fs (mm)</td><td>ISO 11925-2:2020</td><td>&lt; 150</td><td>≤ 150</td><td>Pass</td></tr><tr><td>SMOGR<sub>A</sub> (m<sup>2</sup>/s<sup>2</sup>)</td><td>EN 13823:2020</td><td>17</td><td rowspan="2">s2</td><td>≤ 180</td><td>Pass</td></tr><tr><td>TSP<sub>600s</sub> (m<sup>2</sup>)</td><td>EN 13823:2020</td><td>122</td><td>≤ 200</td><td>Pass</td></tr><tr><td>Flaming particles or droplets within 600s</td><td>EN 13823:2020</td><td>No</td><td rowspan="2">d0</td><td>No</td><td>Pass</td></tr><tr><td>Ignition of the filter paper within 60s</td><td>ISO 11925-2:2020</td><td>No</td><td>No</td><td>Pass</td></tr></table> | Parameter        | Test method | Results          | Requirement | Verdict          | FIGRA <sub>0.4MJ</sub> (W/s) | EN 13823:2020 | 512 | D | ≤ 750 | Pass                                                                                                                                                               | Fs (mm) | ISO 11925-2:2020 | < 150 | ≤ 150 | Pass | SMOGR <sub>A</sub> (m <sup>2</sup> /s <sup>2</sup> ) | EN 13823:2020 | 17 | s2 | ≤ 180 | Pass | TSP <sub>600s</sub> (m <sup>2</sup> ) | EN 13823:2020 | 122 | ≤ 200 | Pass | Flaming particles or droplets within 600s | EN 13823:2020 | No | d0 | No | Pass | Ignition of the filter paper within 60s | ISO 11925-2:2020 | No | No | Pass |
| Parameter                                            | Test method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Results          | Requirement | Verdict          |             |                  |                              |               |     |   |       |                                                                                                                                                                    |         |                  |       |       |      |                                                      |               |    |    |       |      |                                       |               |     |       |      |                                           |               |    |    |    |      |                                         |                  |    |    |      |
| FIGRA <sub>0.4MJ</sub> (W/s)                         | EN 13823:2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 512              | D           | ≤ 750            | Pass        |                  |                              |               |     |   |       |                                                                                                                                                                    |         |                  |       |       |      |                                                      |               |    |    |       |      |                                       |               |     |       |      |                                           |               |    |    |    |      |                                         |                  |    |    |      |
| Fs (mm)                                              | ISO 11925-2:2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | < 150            |             | ≤ 150            | Pass        |                  |                              |               |     |   |       |                                                                                                                                                                    |         |                  |       |       |      |                                                      |               |    |    |       |      |                                       |               |     |       |      |                                           |               |    |    |    |      |                                         |                  |    |    |      |
| SMOGR <sub>A</sub> (m <sup>2</sup> /s <sup>2</sup> ) | EN 13823:2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 17               | s2          | ≤ 180            | Pass        |                  |                              |               |     |   |       |                                                                                                                                                                    |         |                  |       |       |      |                                                      |               |    |    |       |      |                                       |               |     |       |      |                                           |               |    |    |    |      |                                         |                  |    |    |      |
| TSP <sub>600s</sub> (m <sup>2</sup> )                | EN 13823:2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 122              |             | ≤ 200            | Pass        |                  |                              |               |     |   |       |                                                                                                                                                                    |         |                  |       |       |      |                                                      |               |    |    |       |      |                                       |               |     |       |      |                                           |               |    |    |    |      |                                         |                  |    |    |      |
| Flaming particles or droplets within 600s            | EN 13823:2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No               | d0          | No               | Pass        |                  |                              |               |     |   |       |                                                                                                                                                                    |         |                  |       |       |      |                                                      |               |    |    |       |      |                                       |               |     |       |      |                                           |               |    |    |    |      |                                         |                  |    |    |      |
| Ignition of the filter paper within 60s              | ISO 11925-2:2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | No               |             | No               | Pass        |                  |                              |               |     |   |       |                                                                                                                                                                    |         |                  |       |       |      |                                                      |               |    |    |       |      |                                       |               |     |       |      |                                           |               |    |    |    |      |                                         |                  |    |    |      |
| 3                                                    | <div>Classification and direct field of application</div> <div>This classification has been carried out in accordance with EN 13501-1:2018.</div> <div>a) Classification</div> <div>The product, “Acoustic panel natural oak ”, classification is meet the following,</div> <table><tr><th>Fire behaviour</th><th></th><th>Smoke production</th><th></th><th>Flaming droplets</th></tr><tr><td>D</td><td>—</td><td>s</td><td>2</td><td>, d 0</td></tr></table> <div>Reaction to fire classification: Class D-s2, d0</div> <div>Remark: The classes with their corresponding fire performance are given in annex A.</div> <div>b) Field of application</div> <div>This classification for the submitted sample is valid for the following end use condition:</div>                                                                                                                                                                                                        | Fire behaviour   |             | Smoke production |             | Flaming droplets | D                            | —             | s   | 2 | , d 0 | <div>P<input checked="" type="checkbox"/></div> <div>F<input type="checkbox"/></div> <div>N/A<input type="checkbox"/></div> <div>N/T<input type="checkbox"/></div> |         |                  |       |       |      |                                                      |               |    |    |       |      |                                       |               |     |       |      |                                           |               |    |    |    |      |                                         |                  |    |    |      |
| Fire behaviour                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Smoke production |             | Flaming droplets |             |                  |                              |               |     |   |       |                                                                                                                                                                    |         |                  |       |       |      |                                                      |               |    |    |       |      |                                       |               |     |       |      |                                           |               |    |    |    |      |                                         |                  |    |    |      |
| D                                                    | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | s                | 2           | , d 0            |             |                  |                              |               |     |   |       |                                                                                                                                                                    |         |                  |       |       |      |                                                      |               |    |    |       |      |                                       |               |     |       |      |                                           |               |    |    |    |      |                                         |                  |    |    |      |

P ☒  
 F ☐  
 N/A ☐  
 N/T ☐

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---With all substrate classified A1 and A2  
 ---With mechanically fixing with screws  
 ---No joint

This classification is valid for the following product parameters:

---Characteristics are described in § II b of this test reports.

**Statement:** The test results relate to the behavior 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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| Absatz | <b>EN 13501-1:2018</b>                           | Messergebnisse - Bemerkungen | Bewertung  |
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**Photo Appendix:**

**Before testing according to EN 13823:2020**



**After testing according to EN 13823:2020**



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**Annex A Classes of reaction to fire performance for construction products excluding floorings and linear pipe thermal insulation products**

| class | Test methods                                  | Classification                                                                                                                                                                                 | Additional classification                                                 |
|-------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| A1    | EN ISO 1182 <sup>a</sup> and                  | $\Delta T \leq 30^\circ\text{C}$ , and<br>$\Delta m \leq 50\%$ , and<br>$t_f = 0$ (i.e. no sustained flaming)                                                                                  | -                                                                         |
|       | EN ISO 1716                                   | $PCS \leq 2.0 \text{ MJ/kg}$ <sup>a</sup> and<br>$PCS \leq 2.0 \text{ MJ/kg}$ <sup>bc</sup> and<br>$PCS \leq 1.4 \text{ MJ/m}^2$ <sup>d</sup> and<br>$PCS \leq 2.0 \text{ MJ/kg}$ <sup>e</sup> | -                                                                         |
| A2    | EN ISO 1182 <sup>a</sup><br>or                | and<br>$\Delta T \leq 50^\circ\text{C}$ , and<br>$\Delta m \leq 50\%$ , and<br>$t_f \leq 20 \text{ s}$                                                                                         | -                                                                         |
|       | EN ISO 1716                                   |                                                                                                                                                                                                | -                                                                         |
|       | EN 13823                                      | $FIGRA \leq 120 \text{ W/s}$ and<br>$LFS < \text{edge of specimen}$ and<br>$THR_{600s} \leq 7.5 \text{ MJ}$                                                                                    | Smoke production <sup>f</sup> and Flaming droplets/particles <sup>g</sup> |
| B     | EN 13823<br>and                               | $FIGRA \leq 120 \text{ W/s}$ and<br>$LFS < \text{edge of specimen}$ and<br>$THR_{600s} \leq 7.5 \text{ MJ}$                                                                                    | Smoke production <sup>f</sup> and Flaming droplets/particles <sup>g</sup> |
|       | EN ISO 11925-2 <sup>i</sup><br>Exposure = 30s | $F_s \leq 150 \text{ mm}$ within 60 s                                                                                                                                                          |                                                                           |
| C     | EN 13823<br>and                               | $FIGRA \leq 250 \text{ W/s}$ and<br>$LFS < \text{edge of specimen}$ and<br>$THR_{600s} \leq 15 \text{ MJ}$                                                                                     | Smoke production <sup>f</sup> and Flaming droplets/particles <sup>g</sup> |
|       | EN ISO 11925-2 <sup>i</sup><br>Exposure = 30s | $F_s \leq 150 \text{ mm}$ within 60 s                                                                                                                                                          |                                                                           |
| D     | EN 13823<br>and                               | $FIGRA \leq 750 \text{ W/s}$                                                                                                                                                                   | Smoke production <sup>f</sup> and Flaming droplets/particles <sup>g</sup> |
|       | EN ISO 11925-2 <sup>i</sup><br>Exposure = 30s | $F_s \leq 150 \text{ mm}$ within 60 s                                                                                                                                                          |                                                                           |
| E     | EN ISO 11925-2 <sup>i</sup><br>Exposure = 15s | $F_s \leq 150 \text{ mm}$ within 20 s                                                                                                                                                          | -                                                                         |
| F     | No performance determined                     |                                                                                                                                                                                                |                                                                           |

<sup>a</sup> For homogeneous products and substantial components of non-homogeneous products.

<sup>b</sup> For any external non-substantial component of non-homogeneous products.

<sup>c</sup> Alternatively, any external non-substantial component having a  $PCS \leq 2.0 \text{ MJ/m}^2$ , provided that the product satisfies the following criteria of EN 13823:  $FIGRA \leq 20 \text{ W/s}$ , and  $LFS < \text{edge of specimen}$ , and  $THR_{600s} \leq 4.0 \text{ MJ}$ , and s1, and d0.

<sup>d</sup> For any internal non-substantial component of non-homogeneous products.

<sup>e</sup> For the product as a whole.

<sup>f</sup> 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** =  $SMOGRA \leq 30 \text{ m}^2/\text{s}^2$  and  $TSP_{600s} \leq 50 \text{ m}^2$ ; **s2** =  $SMOGRA \leq 180 \text{ m}^2/\text{s}^2$  and  $TSP_{600s} \leq 200 \text{ m}^2$ ; s3 = not s1 or s2

<sup>g</sup> **d0** = No flaming droplets/ particles in EN 13823 within 600 s;

**d1** = no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 s;

**d2** = not d0 or d1.

Ignition of the paper in EN ISO 11925-2 results in a d2 classification.

<sup>h</sup> Pass = no ignition of the paper (no classification);

Fail = ignition of the paper (d2 classification).

<sup>i</sup> Under conditions of surface flame attack and, if appropriate to the end-use application of the product, edge flame attack.

-----The End of Report-----