

## DECLARATION OF PERFORMANCE

No.: Rigidur\_H\_125\_LE\_2512

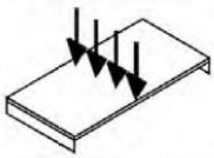
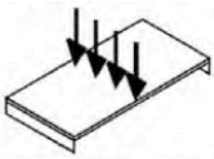
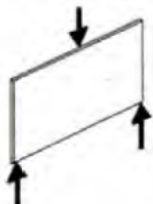
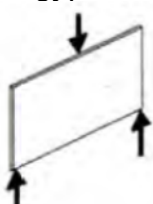
- (1) *Unique identification code of the product-type*  
**Rigidur\_H\_125\_LE\_2512**
- (2) *Intended use/es*  
**Gypsum boards with fibrous reinforcement for lining of building elements  
GF-C1-I-W2 (EN 15283-2) 12.5 mm**
- (3) *Manufacturer*  
**SAINT-GOBAIN RIGIPS GmbH  
Willstätterstraße 60  
D-40549 Düsseldorf**
- (4) *Authorised representative*  
**N/A**
- (5) *System/s of AVCP*  
**System 3**
- (6a) *Harmonised standard*  
**N/A**  
  
*Notified body/ies*  
**N/A**
- (6b) *European Assessment Document*  
**EAD 070006-00-0504**

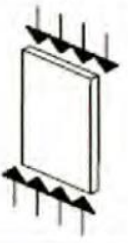
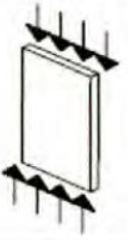
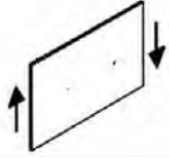
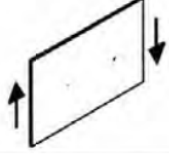
*European Technical Assessment*  
**ETA-08/0147, 18.03.2022**

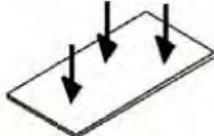
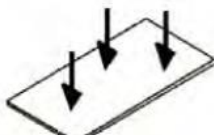
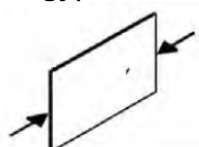
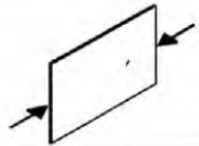
*Technical Assessment Body*  
**Österreichisches Institut für Bautechnik**

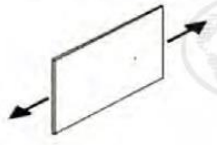
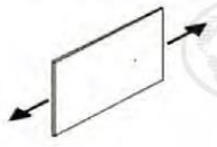
*Notified body/ies*  
**N/A**

(7) Declared performance/s

| GA | Essential characteristics                                                                                                                                                                     | Assessment method           | Level / Class / Description |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|
| 1  | <b>Mechanical resistance and stability</b>                                                                                                                                                    |                             |                             |
|    | <b>Bending strength</b> (in transverse direction = in longitudinal direction)                                                                                                                 |                             |                             |
|    | Bending strength $f_{m, 90, k}$<br>Mechanical actions perpendicular to the gypsum board<br>                  | EAD 070006-00-0504<br>2.2.1 | 5,5 N/mm <sup>2</sup>       |
|    | Bending modulus of elasticity $E_{m, 90, mean}$<br>Mechanical actions perpendicular to the gypsum board<br> | EAD 070006-00-0504<br>2.2.1 | 4 500 N/mm <sup>2</sup>     |
|    | Bending strength $f_{m, 0, k}$<br>Mechanical actions in plane of the gypsum board<br>                      | EAD 070006-00-0504<br>2.2.1 | 4,5 N/mm <sup>2</sup>       |
|    | Bending modulus of elasticity $E_{m, 0, mean}$<br>Mechanical actions in plane of the gypsum board<br>      | EAD 070006-00-0504<br>2.2.1 | 3 500 N/mm <sup>2</sup>     |

| GA   | Essential characteristics                                                                                                                                                 | Assessment method           | Level / Class / Description |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|
| (1.) | <b>Shear strength</b> (in transverse direction = in longitudinal direction)                                                                                               |                             |                             |
|      | Shear strength $f_{r,k}$<br>Mechanical actions perpendicular to the gypsum board<br>     | EAD 070006-00-0504<br>2.2.2 | 1,2 N/mm <sup>2</sup>       |
|      | Shear modulus $G_{r, mean}$<br>Mechanical actions perpendicular to the gypsum board<br> | EAD 070006-00-0504<br>2.2.2 | 650 N/mm <sup>2</sup>       |
|      | Shear strength $f_{v,k}$<br>Mechanical actions in plane of the gypsum board<br>        | EAD 070006-00-0504<br>2.2.2 | 2,3 N/mm <sup>2</sup>       |
|      | Shear modulus $G_{v, mean}$<br>Mechanical actions in plane of the gypsum board<br>     | EAD 070006-00-0504<br>2.2.2 | 1 300 N/mm <sup>2</sup>     |

| GA   | Essential characteristics                                                                                                                                                                         | Assessment method           | Level / Class / Description |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|
| (1.) | <b>Compression strength</b> (in transverse direction = in longitudinal direction)                                                                                                                 |                             |                             |
|      | Compression strength $f_{c, 90, k}$<br>Mechanical actions perpendicular to the gypsum board<br>                  | EAD 070006-00-0504<br>2.2.3 | 6,0 N/mm <sup>2</sup>       |
|      | Compression modulus of elasticity $E_{c, 90, mean}$<br>Mechanical actions perpendicular to the gypsum board<br> | EAD 070006-00-0504<br>2.2.3 | 300 N/mm <sup>2</sup>       |
|      | Compression strength $f_{c, 0, k}$<br>Mechanical actions in plane of the gypsum board<br>                      | EAD 070006-00-0504<br>2.2.3 | 9,0 N/mm <sup>2</sup>       |
|      | Compression modulus of elasticity $E_{c, 0, mean}$<br>Mechanical actions in plane of the gypsum board<br>      | EAD 070006-00-0504<br>2.2.3 | 4 500 N/mm <sup>2</sup>     |

| GA   | Essential characteristics                                                                                                                                                               | Assessment method            | Level / Class / Description                                                                                                                                |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1.) | <b>Tensile strength</b> (in transverse direction = in longitudinal direction)                                                                                                           |                              |                                                                                                                                                            |
|      | Tensile strength $f_{t, 0, k}$<br>Mechanical actions in plane of the gypsum board<br>                  | EAD 070006-00-0504<br>2.2.4  | 2,2 N/mm <sup>2</sup>                                                                                                                                      |
|      | Tensile modulus of elasticity $E_{t, 0, mean}$<br>Mechanical actions in plane of the gypsum board<br> | EAD 070006-00-0504<br>2.2.4  | 4 500 N/mm <sup>2</sup>                                                                                                                                    |
|      | <b>Mechanical properties under elevated humidity</b>                                                                                                                                    | EAD 070006-00-0504<br>2.2.5  | Reduction factor for loss of racking strength and stiffness:<br>$k_{red} = 0,65$                                                                           |
|      | <b>Racking strength and stiffness</b>                                                                                                                                                   | EN 594                       | Calculation acc. to EN 1995-1-1                                                                                                                            |
|      | <b>Density</b>                                                                                                                                                                          | EN 15283-2                   | $1000 \text{ kg/m}^3 \leq \rho \leq 1350 \text{ kg/m}^3$<br>Nominal density $1200 \text{ kg/m}^3$                                                          |
|      | <b>Creep and duration of the load</b>                                                                                                                                                   | EAD 070006-01-0504<br>2.2.8  | see Annex 3 of ETA-08/0147                                                                                                                                 |
|      | <b>Dimensions</b>                                                                                                                                                                       | EN 15283-2                   | Panel thickness $\leq 18 \text{ mm}$ :<br>t: $\pm 0,5 \text{ mm}$<br>b: $+0/-4 \text{ mm}$<br>l: $+0/-5 \text{ mm}$<br>Squareness: $\leq 2,5 \text{ mm/m}$ |
|      | <b>Dimensional stability</b><br>Shrinkage and swelling<br>Moisture content during service shall not change to such an extent that adverse deformation will occur.                       | EN 318                       | per 30 % change in relative humidity: $\leq 0,45 \text{ mm/m}$                                                                                             |
|      | <b>Surface hardness</b>                                                                                                                                                                 | EN 15283-2                   | Passed for board type GF-I                                                                                                                                 |
|      | <b>Embedment strength</b><br>of dowel-type fasteners (staples, nails, screws) in boards                                                                                                 | EAD 070006-00-0504<br>2.2.12 | see Annex 4 of ETA-08/0147                                                                                                                                 |
|      | <b>Head pull-through parameter</b><br>of dowel-type fasteners (staples, nails, screws) in boards                                                                                        | EAD 070006-00-0504<br>2.2.13 | see Annex 4 of ETA-08/0147                                                                                                                                 |
|      | <b>Structural cohesion of the core at high temperature</b>                                                                                                                              | EAD 070006-00-0504<br>2.2.14 | Passed for board type F                                                                                                                                    |

| GA        | Essential characteristics                                                                                                                                                                 | Assessment method            | Level / Class / Description           |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------|
|           | <b>Seismic resistance</b>                                                                                                                                                                 | EAD 070006-00-0504<br>2.2.15 | see Annex 5 of<br>ETA-08/0147         |
| <b>2.</b> | <b>Safety in case of fire</b>                                                                                                                                                             |                              |                                       |
|           | <b>Reaction to fire</b>                                                                                                                                                                   | EN 13501-1                   | A2-s1, d0                             |
| <b>3.</b> | <b>Hygiene, health and environment</b>                                                                                                                                                    |                              |                                       |
|           | <b>Water vapour permeability</b><br>specified as water vapour diffusion resistance<br>Water vapour diffusion equivalent air layer thickness ( $s_d$ )<br>( $\rho = 1237 \text{ kg/m}^3$ ) | EN ISO 12572                 | 19<br><br>0.24                        |
|           | <b>Water absorption</b><br>- Board surface<br><br>- Total                                                                                                                                 | EN 15283-2<br><br>EN 15283-2 | Passed for board type GF-W2<br>< 30 % |
| <b>4.</b> | <b>Safety and accessibility in use</b>                                                                                                                                                    |                              |                                       |
|           | <b>Hard body impact</b>                                                                                                                                                                   | EN 1128                      | IR = 27 mm/mm                         |
| <b>6.</b> | <b>Energy economy and heat retention</b>                                                                                                                                                  |                              |                                       |
|           | <b>Thermal resistance</b><br>specified as thermal conductivity                                                                                                                            | EN 12664                     | 0.20 W/(m·K)                          |

(8) *Appropriate Technical Documentation and/or Specific Technical Documentation*  
N/A

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Düsseldorf, 05. November 2025



Cordula Gudduschat, Managing Director

The above Declaration of Performance is valid for the following products:

**Rigidur H 12.5**

Template for the CE marking to be affixed to the product:

|                                                                                                                                              |              |
|----------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <b>CE</b>                                                                                                                                    |              |
| <b>SAINT-GOBAIN RIGIPS GmbH</b><br><b>Willstätterstraße 60</b><br><b>D-40549 Düsseldorf</b><br><br><b>13</b><br><b>Rigidur_H_125_LE_2512</b> |              |
| <b>EAD 070006-00-0504</b>                                                                                                                    |              |
| <b>Gypsum boards with fibrous reinforcement for lining of building elements</b><br><b>GF-C1-I-W2 (EN 15283-2) 12.5 mm</b>                    |              |
| Reaction to fire                                                                                                                             | A2-s1, d0    |
| Water vapour permeability<br>specified as water vapour diffusion resistance                                                                  | 19           |
| Thermal conductivity                                                                                                                         | 0.20 W/(m·K) |
| For the values according to the ETA, please refer to the declaration of performance or ETA.                                                  |              |