

DECLARATION OF PERFORMANCE

No.: Rigidur_H_18_LE_2504

(1) *Unique identification code of the product-type*
Rigidur_H_18_LE_2504

(2) *Intended use/es*
**Gypsum boards with fibrous reinforcement for lining of building elements
GF-C2-I-W2 (EN 15283-2) 18 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*
EN 15283-2:2008+A1:2009

Notified body/ies
**Materialprüfungsamt Nordrhein-Westfalen (MPA NRW) (0432)
VHT Institut für Leichtbau Trockenbau Holzbau GmbH (1503)
HFB Engineering GmbH (1034)**

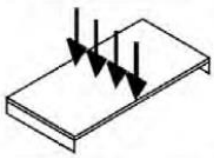
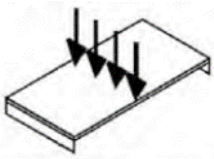
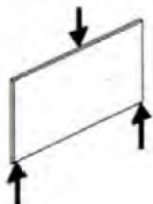
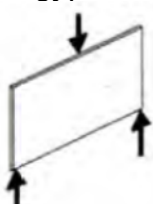
(6b) *European Assessment Document*
EAD 070006-00-0504

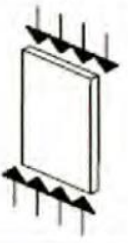
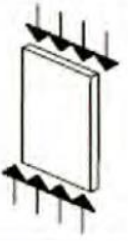
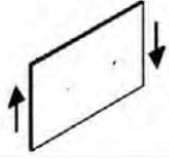
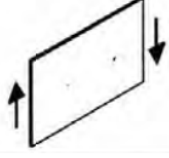
European Technical Assessment
ETA-08/0147, 18.03.2022

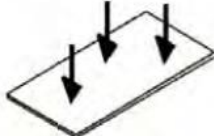
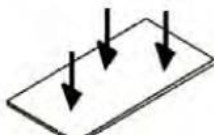
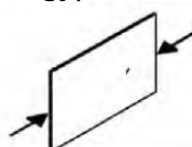
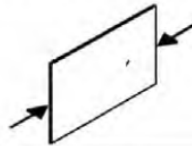
Technical Assessment Body
Österreichisches Institut für Bautechnik

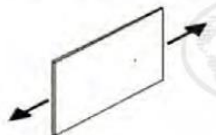
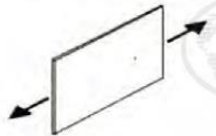
Notified body/ies
**VHT Institut für Leichtbau Trockenbau Holzbau GmbH (1503)
Labor für Holztechnik LHT (2373)**

(7) Declared performance/s

GA	Essential characteristics	Assessment method	Level / Class / Description
1	Mechanical resistance and stability		
	Bending strength (in transverse direction = in longitudinal direction)		
	Bending strength $f_{m, 90, k}$ Mechanical actions perpendicular to the gypsum board 	EAD 070006-00-0504 2.2.1	3,0 N/mm ²
	Bending modulus of elasticity $E_{m, 90, mean}$ Mechanical actions perpendicular to the gypsum board 	EAD 070006-00-0504 2.2.1	3 600 N/mm ²
	Bending strength $f_{m, 0, k}$ Mechanical actions in plane of the gypsum board 	EAD 070006-00-0504 2.2.1	3,8 N/mm ²
	Bending modulus of elasticity $E_{m, 0, mean}$ Mechanical actions in plane of the gypsum board 	EAD 070006-00-0504 2.2.1	3 350 N/mm ²

GA	Essential characteristics	Assessment method	Level / Class / Description
(1.)	Shear strength (in transverse direction = in longitudinal direction)		
	Shear strength $f_{r,k}$ Mechanical actions perpendicular to the gypsum board 	EAD 070006-00-0504 2.2.2	0,8 N/mm ²
	Shear modulus $G_{r, mean}$ Mechanical actions perpendicular to the gypsum board 	EAD 070006-00-0504 2.2.2	650 N/mm ²
	Shear strength $f_{v,k}$ Mechanical actions in plane of the gypsum board 	EAD 070006-00-0504 2.2.2	2,3 N/mm ²
	Shear modulus $G_{v, mean}$ Mechanical actions in plane of the gypsum board 	EAD 070006-00-0504 2.2.2	1 200 N/mm ²

GA	Essential characteristics	Assessment method	Level / Class / Description
(1.)	Compression strength (in transverse direction = in longitudinal direction)		
	Compression strength $f_{c, 90, k}$ Mechanical actions perpendicular to the gypsum board 	EAD 070006-00-0504 2.2.3	5,3 N/mm ²
	Compression modulus of elasticity $E_{c, 90, mean}$ Mechanical actions perpendicular to the gypsum board 	EAD 070006-00-0504 2.2.3	300 N/mm ²
	Compression strength $f_{c, 0, k}$ Mechanical actions in plane of the gypsum board 	EAD 070006-00-0504 2.2.3	5,75 N/mm ²
	Compression modulus of elasticity $E_{c, 0, mean}$ Mechanical actions in plane of the gypsum board 	EAD 070006-00-0504 2.2.3	3 000 N/mm ²

GA	Essential characteristics	Assessment method	Level / Class / Description
(1.)	Tensile strength (in transverse direction = in longitudinal direction)		
	Tensile strength $f_{t, 0, k}$ Mechanical actions in plane of the gypsum board 	EAD 070006-00-0504 2.2.4	1,6 N/mm ²
	Tensile modulus of elasticity $E_{t, 0, mean}$ Mechanical actions in plane of the gypsum board 	EAD 070006-00-0504 2.2.4	2 500 N/mm ²
	Mechanical properties under elevated humidity	EAD 070006-00-0504 2.2.5	Reduction factor for loss of racking strength and stiffness: $k_{red} = 0,65$
	Racking strength and stiffness	EN 594	Calculation acc. to EN 1995-1-1
	Density	EN 15283-2	$1000 \text{ kg/m}^3 \leq \rho \leq 1350 \text{ kg/m}^3$ Nominal density 1200 kg/m^3
	Creep and duration of the load	EAD 070006-01-0504 2.2.8	see Annex 3 of ETA-08/0147
	Dimensions	EN 15283-2	Panel thickness $\leq 18 \text{ mm}$: t: $\pm 0,5 \text{ mm}$ b: $+0/-4 \text{ mm}$ l: $+0/-5 \text{ mm}$ Squareness: $\leq 2,5 \text{ mm/m}$
	Dimensional stability Shrinkage and swelling Moisture content during service shall not change to such an extent that adverse deformation will occur.	EN 318	per 30 % change in relative humidity: $\leq 0,45 \text{ mm/m}$
	Surface hardness	EN 15283-2	Passed for board type GF-I
	Embedment strength	EAD 070006-00-0504 2.2.12	see Annex 4 of ETA-08/0147
	Head pull-through parameter	EAD 070006-00-0504 2.2.13	see Annex 4 of ETA-08/0147
	Structural cohesion of the core at high temperature	EAD 070006-00-0504 2.2.14	Passed for board type F

GA	Essential characteristics	Assessment method	Level / Class / Description
	Seismic resistance	EAD 070006-00-0504 2.2.15	see Annex 5 of ETA-08/0147
	Shear strength (for stiffening of timber frame outer walls and timber roof constructions)	EN 15283-2	1270 N
	Flexural strength (Bending strength)	EN 15283-2	≥ 5.0 N/mm ²
2.	Safety in case of fire		
	Reaction to fire (for unprotected installation situations)	EN 13501-1	A2-s1, d0
3.	Hygiene, health and environment		
	Water vapour permeability (to control water vapour diffusion) specified as water vapour diffusion resistance Water vapour diffusion equivalent air layer thickness (s _d) (ρ = 1222 kg/m ³)	EN ISO 12572	19 0.34
	Water absorption - Board surface - Total	EN 15283-2 EN 15283-2	Passed for board type GF-W2 < 30 %
4.	Safety and accessibility in use		
	Hard body impact	EN 1128	IR = 27 mm/mm
	Impact resistance	EN 15283-2	See system documentation of SAINT-GOBAIN RIGIPS GmbH or from the local supplier
5.	Protection against noise		
	Airborne sound insulation	EN 15283-2	See system documentation of SAINT-GOBAIN RIGIPS GmbH or from the local supplier
	Acoustic absorption	EN 15283-2	
6.	Energy economy and heat retention		
	Thermal resistance 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



Dr. Benjamin Kaplan, Director R&D Isover/Rigips Germany

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

Rigidur H 18

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

CE	
SAINT-GOBAIN RIGIPS GmbH Willstätterstraße 60 D-40549 Düsseldorf 13 Rigidur_H_18_LE_2504	
EN 15283-2:2008+A1:2009 EAD 070006-00-0504 Gypsum boards with fibrous reinforcement for lining of building elements GF-C2-I-W2 (EN 15283-2) 18 mm 0432, 1503, 1034, 2373	
Reaction to fire (for unprotected installation situations)	A2-s1, d0
Shear strength (for stiffening of timber frame outer walls and timber roof constructions)	1270 N
Flexural strength (Bending strength)	$\geq 5.0 \text{ N/mm}^2$
Water vapour permeability (to control water vapour diffusion) specified as water vapour diffusion resistance	19
Thermal resistance specified as thermal conductivity	0.20 W/(m·K)
Impact resistance Airborne sound insulation Acoustic absorption	See system documentation of SAINT-GOBAIN RIGIPS GmbH or from the local supplier
For the values according to the ETA, please refer to the declaration of performance or ETA.	