

DECLARATION OF PERFORMANCE

No.: Rigips_Glasroc_X_125_LE_2504

(1) *Unique identification code of the product-type*
Rigips_Glasroc_X_125_LE_2504

(2) *Intended use/es*
Gypsum boards with mat reinforcement for drywall-systems and load-bearing applications
GM-FH1 (EN 15283-1) 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

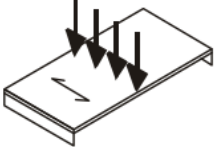
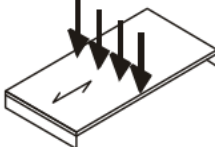
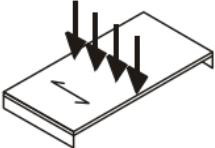
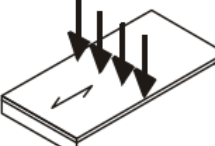
(6b) *European Assessment Document*
EAD 070001-02-0504

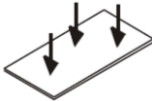
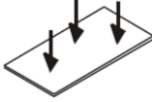
European Technical Assessment
ETA-21/0179, 18.03.2021

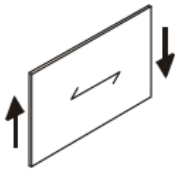
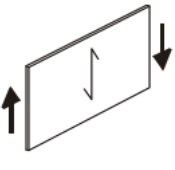
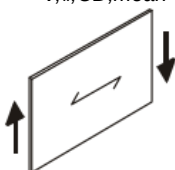
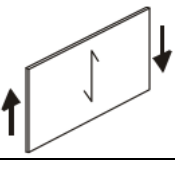
Technical Assessment Body
Österreichisches Institut für Bautechnik

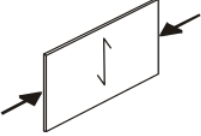
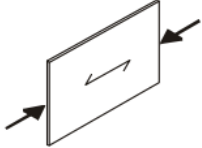
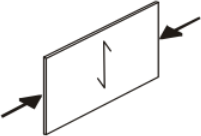
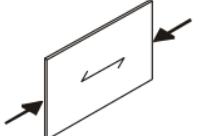
Notified body/ies
N/A

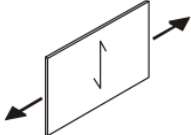
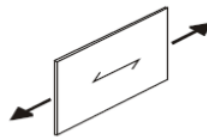
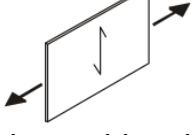
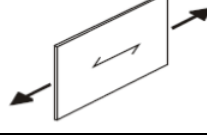
(7) Declared performance/s

GA	Essential characteristics	Assessment method	Level / Class / Description
1	Mechanical resistance and stability		
	1. Mechanical actions perpendicular to the gypsum board		
	Bending strength - in transverse direction $f_{m,\perp,CD,k}$  - in machine direction $f_{m,\perp,MD,k}$ 	EAD 070001-02-0504 2.2.1 EAD 070001-02-0504 2.2.1	4,9 MPa 6,8 MPa
	Bending modulus of elasticity - in transverse direction $E_{m,\perp,CD,mean}$  - in machine direction $E_{m,\perp,MD,mean}$ 	EAD 070001-02-0504 2.2.1 EAD 070001-02-0504 2.2.1	2600 MPa 2300 MPa
	Reduction factors for bending - humid conditions $k_{m,red,m,hum}$ - immersed conditions $k_{m,red,m,imm}$	EAD 070001-02-0504 2.2.1	0,9 0,7

GA	Essential characteristics	Assessment method	Level / Class / Description
(1.)	Compression strength - perpendicular to the board $f_{c,\perp,MCD,k}$ 	EAD 070001-02-0504 2.2.3	6,3 MPa
	Compression modulus of elasticity - perpendicular to the board $E_{c,\perp,MCD,mean}$ 	EAD 070001-02-0504 2.2.3	300 MPa
	Reduction factors for compression - humid conditions $k_{c,red,hum}$ - immersed conditions $k_{c,red,imm}$	EAD 070001-02-0504 2.2.3	0,6 0,3

GA	Essential characteristics	Assessment method	Level / Class / Description
(1.)	2. Mechanical actions in plane of the gypsum board		
	Shear strength - perpendicular to the board $f_{v, \parallel, CD, k}$  - in machine direction $f_{v, \parallel, MD, k}$ 	EAD 070001-02-0504 2.2.2 EAD 070001-02-0504 2.2.2	2,8 MPa 2,3 MPa
	Shear modulus - perpendicular to the board $G_{v, \parallel, CD, mean}$  - in machine direction $G_{v, \parallel, MD, mean}$ 	EAD 070001-02-0504 2.2.2 EAD 070001-02-0504 2.2.2	1900 MPa 1400 MPa

GA	Essential characteristics	Assessment method	Level / Class / Description
(1.)	Compression strength - perpendicular to the board $f_{c,\perp,CD,k}$ 	EAD 070001-02-0504 2.2.3	6,3 MPa
	- in machine direction $f_{c,\parallel,MD,k}$ 		
	Compression modulus of elasticity - perpendicular to the board $E_{c,\perp,CD,mean}$ 	EAD 070001-02-0504 2.2.3	4100 MPa
	- in machine direction $E_{c,\parallel,MD,mean}$ 		

GA	Essential characteristics	Assessment method	Level / Class / Description
(1.)	Tensile strength		
	- perpendicular to the board $f_{t,\parallel,CD,k}$		
		EAD 070001-02-0504 2.2.4	1,3 MPa
	- in machine direction $f_{t,\parallel,MD,k}$		
		EAD 070001-02-0504 2.2.4	2,0 MPa
	Tensile modulus of elasticity		
	- perpendicular to the board $E_{t,\parallel,CD,mean}$		
		EAD 070001-02-0504 2.2.4	5500 MPa
	- in machine direction $E_{t,\parallel,MD,mean}$		
		EAD 070001-02-0504 2.2.4	6300 MPa

GA	Essential characteristics	Assessment method	Level / Class / Description	
(1.)	3. Other mechanical actions			
	Racking strength	EAD 070001-02-0504 2.2.5	Calculation acc. to EN 1995-1-1	
	Embedment strength of fasteners (staples, nails, screws) in boards - Ambient condition $f_{h,MCD,k}$ - Reduction factor for immersed conditions $f_{h,MCD,SC3,k}$	EAD 070001-02-0504 2.2.6	35,8 - 4,9 · d N/mm ² 18,5 - 2,5 · d N/mm ² (With d as the diameter of the fastener and for 1,5 mm ≤ d ≤ 3,5 mm)	
	Head pull-through parameter of fasteners (staples, nails, screws) in boards - Ambient condition $f_{head,k}$	EAD 070001-02-0504 2.2.7	Screws EN 14566 oder EN 14592: d _h = 7,7 mm	7,2 N/mm ²
	- Reduction factor for immersed conditions $k_{head,red,imm}$		Staples EN 14592: a = 11,2 mm d _h = 1,62 mm	18,4 N/mm ²
			0,4	
	Creep and duration of the load	EAD 070001-02-0504 2.2.8	see Annex 3.1.1 of ETA-21/0179	
	Structural cohesion of the core at high temperature	EN 520	Passed for board type F	
	Dimensions	EN 520 (as well for: EN 15283-1)	b: +0/-4 mm l: +0/-5 mm t: ± 0,5 mm Squareness: ≤ 2,5 mm/m	
	Dimensional stability	EAD 070001-02-0504 2.2.9	see Annex 3.1.2 of ETA-21/0179	
	Surface hardness	EAD 070001-02-0504 2.2.10	Passed for board type I: D _{mean} ≤ 15 mm D _{hum,mean} = 15,5 mm D _{imm,mean} = 16,5 mm	
	Static ductility of dowel-type fasteners (staples, screws) in boards	EAD 070001-02-0504 2.2.11	NPD	

GA	Essential characteristics	Assessment method	Level / Class / Description
2.	Safety in case of fire		
	Reaction to fire	EN 13501-1:2018	A1
3.	Hygiene, health and environment		
	Water vapour permeability specified as water vapour diffusion resistance	EN ISO 12572:2016	18.2
	Water absorption of board surface	EN 520	$\leq 180 \text{ g/m}^2$
	Water penetration	EN 13111:2010	0 g/m^2
	Total water absorption	EN 520	$\leq 5 \%$
	Moisture absorption	EAD 070001-02-0504 2.2.13	0,47 %
4.	Safety and accessibility in use		
	Hard body impact	EN 1128:1995	IR = 19,7 mm/mm
6.	Energy economy and heat retention		
	Thermal resistance specified as thermal conductivity	EN 12664:2001	$0.1865 \text{ W/(m}\cdot\text{K)}$
	Air permeability	EAD 070001-02-0504 2.2.14	NPD
	Coefficient of thermal expansion	EAD 070001-02-0504 2.2.15	NPD
	Aspects of durability		
	Mould resistance	EAD 070001-02-0504 2.2.16 Annex E	10 (no growth)

(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:

Rigips Glasroc X 12.5

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

CE	
SAINT-GOBAIN RIGIPS GmbH Willstätterstraße 60 D-40549 Düsseldorf 16 Rigips Glasroc X 125 LE 2504	
EAD 070001-02-0504	
Gypsum boards with mat reinforcement for drywall-systems and load-bearing applications GM-FH1 (EN 15283-1) 12.5 mm	
Reaction to fire	A1
Water vapour permeability specified as water vapour diffusion resistance	18.2
Thermal resistance specified as thermal conductivity	0.1865 W/(m·K)
For the values according to the ETA, please refer to the declaration of performance or ETA.	