

## 1. Unique identification of the product

SB 05 LR

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## 2. Product number

564305

## 3. Intended use of the product according to EN 14509:2013

Internal wall and ceiling

## 4. Manufacturer identification

PANELCO SAS

Route de Chaveyriat

B.P. 10

01540 Vonnas

## 5. Attestation of conformity system

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## 6. The notified body

EFFECTIS n°1812

realized reaction to fire tests and delivered the reaction to fire classification report

EFR-22-001193-D

## 7. Declared performance

Essential characteristics and performance			European Standard
Panel and faces	Nominal thickness of the panel	50 mm	EN 14509
	Nominal thickness of the external face	0.6 mm	
	Nominal thickness of the internal face	0.6 mm	
	Metallic coating	Z235 / Z275 ZM140 / ZM100	
	Organic coating	Polyester 25 µm PVC 150 µm PET 50 µm PVDF 35 µm	
	Mass of the panel	17.00 kg/m <sup>2</sup>	
Steel	Tensile strength of the external face	S320GD	
	Tensile strength of the internal face	S320GD	
Core	Core	Mineral wool	
	Density of core material	130 kg/m <sup>3</sup>	
Durability	Durability	-	
Mechanical resistance	Cross panel tensile strength	0.02 MPa	
	Shear strength	0.04 MPa	
	Shear modulus	2.5 MPa	
	Shear strength after long-term loading (100 000 h)	0.016 MPa	
	Compressive strength	0.05 MPa	
	Creap coefficient t= 2000 h	1.63	
	Creap coefficient t= 100 000 h	1.99	
	Wrinkling strength of the external face in span	87.3 MPa	
	Wrinkling strength of the external face in span - high temperature	-	
	Wrinkling strength of the external face over a central support	109.5 MPa	
	Wrinkling strength of the external face over a central support - high temperature	-	
	Wrinkling strength of the internal face in span	87.3 MPa	
	Wrinkling strength of the internal face over a central support	109.5 MPa	
	Accessibility : maximum span (ceiling only)	3.00 m	
Thermal insulation performance	Repeated access load	Suitable for repeated load without additional protection	
	Thermal conductivity of the core λ	0.041 W/(m.K)	
Fire	Thermal transmittance Ud	0.844 W/(m <sup>2</sup> .K)	
	Reaction to fire	A2-s1,d0	Report n° EFR-22-001193-D
Permeability	Fire resistance	NPD	EN 14509
	Air permeability	Air proof	
Acoustic	Water permeability	Water proof	
	Water vapour permeability	Vapour proof	
Environnement	Airborne sound insulation	NPD	
	Sound absorption	NPD	
	Substances of very high concern according to REACH	No	REACH
	Regulated hazardous substances emission	(a)	EN 14509

(a) Faces in contact with the interior air shall not emit regulated hazardous substances exceeding the maximum permitted levels specified in the European or national regulations. European test methods are being developed. An informative database of European and national provisions relating to controlled substances can be found on the EUROPA website, accessible at the following address:

[https://ec.europa.eu/growth/tools-databases/cp-ds\\_en](https://ec.europa.eu/growth/tools-databases/cp-ds_en)

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Vonnas, 24/03/2025

Mr Guillaume SIROLLI

