

1. Unique identification of the product  
 MW 08 OPTIMA

Index e

 2. Product number  
 562054

 3. Intended use of the product according to EN 14509  
 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  
 CSTB n°0679  
 realized reaction to fire tests and delivered the reaction to fire classification report  
 RA13-0084

7. Declared performance

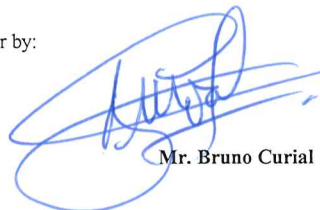
Essential characteristics and performance			European Standard
Panel and faces	Thickness of panel	80 mm	EN 14509
	Thickness of external face	0.6 mm	
	Thickness of internal face	0.6 mm	
	Mass of the product	20.41 kg/m <sup>2</sup>	
Steel	Tensile strength of external face	S320GD	
	Tensile strength of internal face	S320GD	
Core	Core	Mineral wool	
	Density of core material	130 kg/m <sup>3</sup>	
Durability	Durability	Pass	
Mechanical resistance	Cross panel tensile strength	0.02 MPa	
	Shear strength	0.03 MPa	
	Shear modulus	3.2 MPa	
	Shear strength after long-term loading (100 000 h)	0.012 MPa	
	Compressive strength	0.05 MPa	
	Creep coefficient t= 2000 h	0.65	
	Creep coefficient t= 100 000 h	0.74	
	Bending moment capacity (+) in span	3.089 kN.m/m	
	Bending moment capacity (+) in span - high temperature	-	
	Bending moment capacity (-) in span	3.089 kN.m/m	
	Bending moment capacity (-) in span - high temperature	-	
	Bending moment capacity (+) over a central support	2.498 kN.m/m	
	Bending moment capacity (+) over a central support - high temperature	-	
	Bending moment capacity (-) over a central support	2.958 kN.m/m	
	Bending moment capacity (-) over a central support - high temperature	-	
	Wrinkling strength of the external face in span	60.8 MPa	
	Wrinkling strength of the external face in span - high temperature	-	
	Wrinkling strength of the external face over a central support	62.1 MPa	
	Wrinkling strength of the external face over a central support - high temperature	-	
	Wrinkling strength of the internal face in span	60.8 MPa	
Wrinkling strength of the internal face over a central support	63.8 MPa		
Accessibility	c		
Thermal insulation performance	Thermal conductivity of the core	0.041 W/(m.K)	
	Thermal transmittance	0.478 W/(m <sup>2</sup> .K)	
Fire	Reaction to fire	A2-s1-d0	Report n° RA13-0084
	Fire resistance	NPD	EN 14509
Permeability	Air permeability	NPD	
	Water permeability	NPD	
	Water vapour permeability	NPD	
Acoustic	Airborne sound insulation	NPD	
	Sound absorption	NPD	
Dimensional tolerances	Dimensional tolerances	NPD	
Environnement	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:

[http://ec.europa.eu/enterprise/construction/internal/dangsub/dangmain\\_en.htm](http://ec.europa.eu/enterprise/construction/internal/dangsub/dangmain_en.htm)

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. 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:



Mr. Bruno Curial

Vonnas, 29/07/2016

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