

1. Unique identification of the product  
MW 10 OPTIMA

Index g

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2. Product number  
562053

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-B

7. Declared performance

Essential characteristics and performance			European Standard
Panel and faces	Nominal thickness of the panel	100 mm	EN 14509
	Nominal thickness of the external face	0,6 mm	
	Nominal thickness of the internal face	0,6 mm	
	Metallic coating	Z225 / Z275 ZM140 / ZM100	
	Organic coating	Polyester 25 µm PVC 150 µm PET 50 µm PVDF 35 µm	
	Mass of the panel	24.11 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	3.2 MPa	
	Shear strength after long term loading (100 000 h)	0.016 MPa	
	Compressive strength	0.05 MPa	
	Creep coefficient t= 2000 h	0,65	
	Creep coefficient t= 100 000 h	0,74	
	Wrinkling strength of the external face in span	65.3 MPa	
	Wrinkling strength of the external face in span - high temperature	-	
	Wrinkling strength of the external face over a central support	70.0 MPa	
	Wrinkling strength of the external face over a central support - high temperature	-	
	Wrinkling strength of the internal face in span	65.3 MPa	
	Wrinkling strength of the internal face over a central support	61.5 MPa	
	Accessibility : maximum span (ceiling only)	3,75 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 U <sub>d</sub>	0.427 W/(m <sup>2</sup> .K)	
	Reaction to fire	A2-s1,d0	Report n° EFR-22-001193-B
	Fire resistance	NPD	EN 14509
Permeability	Air permeability	Air proof	
	Water permeability	Water proof	
	Water vapour permeability	Vapour proof	
Acoustic	Airborne sound insulation	NPD	
	Sound absorption	NPD	
Environnement	Substances of very high concern according to REACH	No	REACH
	Regulated hazardous substances emission	(u)	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

