

Documentation for product:

Self-supporting double skin metal faced insulating panels, with PIR core
GORLICKA GS-PIR

DECLARATION OF PERFORMANCE

No. G/PIR-06/2017

12

Unique identification code of the product-type:

for product group Gorlicka D GS-PIR:	for product group Gorlicka S GS-PIR:	for product group Gorlicka CH GS-PIR:	for product group Gorlicka U GS-PIR:
GORLICKA D40 GS-PIR	GORLICKA S40 GS-PIR	GORLICKA CH100 GS-PIR	GORLICKA U60 GS-PIR
GORLICKA D60 GS-PIR	GORLICKA S60 GS-PIR	GORLICKA CH120 GS-PIR	GORLICKA U80 GS-PIR
GORLICKA D80 GS-PIR	GORLICKA S80 GS-PIR	GORLICKA CH160 GS-PIR	GORLICKA U100 GS-PIR
GORLICKA D100 GS-PIR	GORLICKA S100 GS-PIR	GORLICKA CH200 GS-PIR	GORLICKA U120 GS-PIR
GORLICKA D120 GS-PIR			GORLICKA U140 GS-PIR
GORLICKA D160 GS-PIR			

Harmonised standard: PN-EN 14509:2013 (EN 14509:2013)

System/s of AVCP: System 3

Notified bodies:

 Instytut Techniki Budowlanej, ul. Filtrowa 1, 00-611 Warszawa (Nr. 1488)
 FIRES, s.r.o, Osloboditelov 282, 05935 Batizovce (Nr. 1396)

Intended use/es: See Annex 1-4 (Exterior and interior walls, ceilings, roof coverings)

Declared performances:

for product group Gorlicka D GS-PIR:	for product group Gorlicka S GS-PIR:	for product group Gorlicka CH GS-PIR:	for product group Gorlicka U GS-PIR:
Annex nr 1	Annex nr 2	Annex nr 3	Annex nr 4

Manufacturer:/Place of manufacture: GÓR-STAL Sp. z o.o., ul. Przemysłowa 11, 38-300 Gorlice, POLAND

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.

 "GÓR-STAL" Sp. z o.o.
 38-300 Gorlice, ul. Przemysłowa 11
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 REGON 852712117 NIP 738-19-45-154

DYREKTOR PRODUKCJI

 Piotr Grzywa

Gorlice, 01-02-2018

place and date of issue

signed for and on behalf of the manufacturer by

P-10.1.Z5.G, ENGLISH

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Annex 3 to DECLARATION OF PERFORMANCE



Declaration no: G/PIR-06/2017, date: 01-02-2018

Produkt group / Generic name	GORLICKA CH GS-PIR
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Description of product:

Intended uses		External and internal walls, ceilings
Type of core		Rigid PIR foam core with density 40 kg/m3
Facing (outer/inner site)	Facing type	Bilateral galvanized steel faces
	Steel parameters	Yield strength \geq 220 N/mm2
	Thickness	0,4-0,7 mm
	Coating	HDX, HDP, HPS, PVCF, PVDF, SP, PUR
Facing profile	Outer	L(linear), M(microprofiling), F(wavy), R(grooving), G(smooth)
	Inner	L(linear), G(smooth)
Modular width		1000 mm, 1140 mm
Panel's designation		Panel Gorlicka CH GS-PIR Module Profil. outer/inner

Unique identification code of the product-type /Name			Gorlicka CH100 GS-PIR	Gorlicka CH120 GS-PIR	Gorlicka CH160 GS-PIR	Gorlicka CH200 GS-PIR	Classification		
Thickness			100 mm	120 mm	160 mm	200 mm			
Essential characteristics			Value of parameters						
Parameters									
Thermal properties									
Thermal conductivity, λ_D			W/m*K		0,022				
Thermal transmittance, $U_{d,s}$			W/m ² *K		0,22	0,18	0,14	0,11	
Mechanical properties									
Compressive strength (core)			MPa		0,12				
Tensile strength			MPa		0,06				
Shear strength			MPa		0,10	0,10	0,85	0,80	
Shear modulus (core)			MPa		2,9	2,8	2,5	2,4	
Bending resistance in the span		positiv.	ambient temperature	kNm/m		7,50	9,10	7,20	9,00
Bending resistance in the span		negativ.		kNm/m		5,80	7,00	4,90	6,20
Bending resist. at an internal support		positiv.		kNm/m		4,70	5,70	6,40	8,10
Bending resist. at an internal support		negativ.		kNm/m		4,20	5,10	6,00	7,50
Creep coefficient			for t=2.000h:		0,84 (for 0,5/0,5); 1,22 (for 0,5/0,4)				
			for t=100.000h:		1,38 (for 0,5/0,5); 2,04 (for 0,5/0,4)				
Reduced long term shear strength (40%)			MPa		0,040	0,040	0,034	0,032	
Resistance to point loads			1,2 kN						
Resistance to access loads			NPD						
Reaction to fire (all applications)			B-s1,d0 B-s2,d0 (with EPDM gasket)						
Fire resistance			EI30; EI15/E30 (Details in classification)						
Water permeability			NPD						
Water vapour permeability			„Impermeable”						
Air permeability			NPD						
Air permeability (with EPDM gasket)		(+)	C=0,0031 m3/(hPa^n), n=0,8004 (0,03 [m3/m*h] for $\Delta p=50$ [kPa])						
		(-)	C=0,0528 m3/(hPa^n), n=0,3110 (0,06 [m3/m*h] for $\Delta p=50$ [kPa])						
Airborne sound insulation			23(-2,-3) dB						
Sound absorption			0,1 dB						
Dimensional tolerances			„Pass” (Thickness: \pm 2%)						
Durability			„Pass”						
Dengerous substances			NPD						

PN-EN 14509:2013 (EN 14509:2013)

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