



DECLARATION OF PERFORMANCE

No. G/PIR-03/2016

Product's description:

**Self-supporting double skin metal faced insulating panels
with PIR core**

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 D160 GS-PIR			

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

System/s of AVCP: 3

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

Intended use/es: 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 (and with Regulation (EU) No 574/2014), under the sole responsibility of the manufacturer identified above.

„GÓR-STAL” Sp. z o.o.
 38-300 Gorlice, ul. Przemysłowa 11
 tel. 018 353 98 00
 REGON 852712117 NIP 738-19-45-154

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DYREKTOR PRODUKCJI

Piotr Grzywa

signed for and on behalf of the manufacturer by

Gorlice, 2016-11-03

place and date of issue

P-10.1.Z5 G. ENGLISH

GÓR-STAL sp. z o.o. ul. Przemysłowa 11, 38-300 Gorlice
 tel./fax: +48 (18) 353 98 00
 e-mail: info@gor-stal.pl / www.gor-stal.pl

Kapitał Zakładowy: 5 000 000 zł
 NIP: 738-19-45-154
 REGON: 852712117

Adres Fabryki Płyt Warstwowych w Gorlicach
 ul. Przemysłowa 11
 38-300 Gorlice

KRS: 0000166841
 Sąd Rejonowy dla Krakowa Śródmieścia w Krakowie
 XII Wydział Gospodarczy Krajowego Rejestru Sądowego

Bank Zachodni WBK S.A.
 ul. Rynek 9/11, 50-950 Wrocław
 94 1090 1838 0000 0001 1562 8092

Adres Fabryki Paneli Termoizolacyjnych w Bochni
 ul. Adolfa Mitera
 32-700 Bochnia

**Annex 3 to DECLARATION OF PERFORMANCE
DATASHEETS**



Declaration no: G/PIR-03/2016, date: 03.11.2016

Produkt group	GORLICKA CH GS-PIR
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Description of product:		
Intended uses	External & internal walls, ceilings	
Type of core	Rigid PIR foam core with density 40 kg/m ³	
Facing (outer/inner site)	Facing type	Bilateral galvanized steel faces
	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	

Declared performance/s: (classification acc. PN-EN 14509:2013):

Unique identification code of the product-type /Name		Gorlicka CH100 GS-PIR	Gorlicka CH120 GS-PIR	Gorlicka CH160 GS-PIR	Gorlicka CH200 GS-PIR	-		
parameters		value of parameters				method		
Thickness		100 mm	120 mm	160 mm	200 mm	PN-EN 14509		
Dimensional tolerances		„Pass” (Thickness: ± 2%)				PN-EN 14509		
Thermal conductivity, λ _D	W/m*K	0,022				PN-EN ISO 10456		
Thermal transmittance, U	W/m ² *K	0,22	0,18	0,14	0,11	PN-EN 14509		
Compressive strength (core)	kPa	120				PN-EN 826		
Tensile strength	kPa	100				PN-EN 1607		
Shear strength	kPa	100	100	85	80	PN-EN 14509		
Shear modulus (core)	kPa	2 900	2 800	2 500	2 400			
Density	kg/m ³	40 ± 3				PN-EN 1602		
Bending resistance in the span	positiv.	kNm/m	7,50	9,10	7,20	9,00	PN-EN 14509	
Bending resistance in the span	negativ.		5,80	7,00	4,90	6,20		
Wrinkling strength in the span (external face)		MPa	150	150	90	90		
Wrinkling strength in the span (internal face)			135	145	75	75		
Bending resist. at an internal support	positiv.	kNm/m	4,70	5,70	6,40	8,10		
Bending resist. at an internal support	negativ.		4,20	5,10	6,00	7,50		
Wrinkling strength at int. support (internal f.)		MPa	110	110	100	100		
Wrinkling strength at int. support (external f.)			85	85	75	75		
Bending resistance in the span	positiv.	kNm/m	7,30	8,80	7,00	8,70		PN-EN 14509
Bending resistance in the span	negativ.		5,60	6,70	4,80	6,00		
Wrinkling strength in the span (external face)		MPa	145	145	85	85		
Wrinkling strength in the span (internal face)			130	140	75	75		
Bending resist. at an internal support	positiv.	kNm/m	4,60	5,50	6,20	7,80		
Bending resist. at an internal support	negativ.		4,10	4,90	5,80	7,30		
Wrinkling strength at int. support (internal f.)		MPa	110	110	95	95		
Wrinkling strength at int. support (external f.)			80	80	70	70		
Creep coefficient	for t=2.000h: for t=100.000h:	0,84 (for 0,5/0,5); 1,22 (for 0,5/0,4) 1,38 (for 0,5/0,5); 2,04 (for 0,5/0,4)				PN-EN 14509		
Reduced long term shear strength (40%)	kPa	40	40	34	32	PN-EN 14509		
Resistance to point loads		1,2 kN				PN-EN 14509		
Resistance to access loads		NPD				PN-EN 14509		
Reaction to fire (all applications)		B-s1,d0 B-s2,d0 (with EPDM gasket)				PN-EN 13501-1		
Fire resistance		EI30; EI15/E30 (Details in the classification)				PN-EN 13501-2		
Water permeability		NPD				PN-EN 12865		
Water vapour permeability		„Impermeable”				PN-EN 14509		
Air permeability		NPD				PN-EN 12114		
Air permeability (with EPDM gasket)	(+) (-)	0,03 [m ³ /m ² *h] for Δp=50 [kPa]; (C=0,0031 m ³ /(hPa ⁿ), n=0,8004) 0,06 [m ³ /m ² *h] for Δp=50 [kPa]; (C=0,0528 m ³ /(hPa ⁿ), n=0,3110)				PN-EN 12114		
Airborne sound insulation		23(-2,-3) dB				PN-EN ISO 10140-3		
Sound absorption		0,1 dB				PN-EN ISO 354		
Facing properties		yield strength ≥ 220 N/mm ²				PN-EN 10346		
Durability – all colours		„Pass”				PN-EN 14509		
Dengerous substances		NPD				PN-EN 12114		