


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 4 to DECLARATION OF PERFORMANCE
DATASHEETS**



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

Produkt group	GORLICKA U GS-PIR
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Description of product:

Intended uses	External and internal walls	
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	
Panel's designation	Panel Gorlicka U GS-PIR Module Profil. outer/inner	

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

Unique identification code of the product-type /Name			Gorlicka U60 GS-PIR	Gorlicka U80 GS-PIR	Gorlicka U100 GS-PIR	Gorlicka U120 GS-PIR	-	
parameters			value of parameters				method	
Thickness			60 mm	80 mm	100 mm	120 mm	PN-EN 14509	
Dimensional tolerances			„Pass” (Thickness: ±2mm for ≤100mm and 2% for ≥100mm)				PN-EN 14509	
Thermal conductivity, λ _D		W/m*K	0,022				PN-EN ISO 10456	
Thermal transmittance, U		W/m ² *K	0,38	0,28	0,22	0,18	PN-EN 14509	
Compressive strength (core)			kPa 120				PN-EN 826	
Tensile strength			kPa 100				PN-EN 1607	
Shear strength			kPa 120	100	100	100	PN-EN 14509	
Shear modulus (core)			kPa 3200	3000	2900	2800		
Density			kg/m ³ 40 ± 3				PN-EN 1602	
Bending resistance in the span		positiv.	kNm/m	4,90	8,00	7,50	9,40	PN-EN 14509
Bending resistance in the span		negativ.		3,70	5,20	5,80	6,40	
Wrinkling strength in the span (external face)			MPa	130	200	150	155	
Wrinkling strength in the span (internal face)				120	135	135	130	
Bending resist. at an internal support		positiv.	kNm/m	3,00	4,00	5,80	5,60	
Bending resist. at an internal support		negativ.		2,60	3,40	5,70	6,20	
Wrinkling strength at int. support (external f.)			MPa	85	85	115	105	
Bending resistance in the span		positiv.	kNm/m	4,70	7,80	7,30	9,10	
Bending resistance in the span		negativ.		3,50	5,10	5,60	6,20	
Wrinkling strength in the span (external face)			MPa	125	195	145	150	
Bending resist. at an internal support		positiv.	kNm/m	2,90	3,90	5,60	5,40	
Bending resist. at an internal support		negativ.		2,50	3,30	5,50	6,10	
Wrinkling strength at int. support (external f.)			MPa	80	80	110	100	
Reaction to fire (all applications)			B-s1,d0				PN-EN 13501-1	
Fire resistance			NPD				PN-EN 13501-2	
Water permeability			NPD				PN-EN 12865	
Water vapour permeability			„Impermeable”				PN-EN 14509	
Air permeability			NPD				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	