


DECLARATION OF PERFORMANCE

No. G/PUR-03/2016

Product's description:
**Self-supporting double skin metal faced insulating panels
with PUR core**
Unique identification code of the product-type:

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

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/s: Annex 1-4 (Exterior and interior walls, ceilings, roof coverings)

Declared performances:

for product group Gorlicka D:	for product group Gorlicka S:	for product group Gorlicka CH:	for product group Gorlicka U:
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

Gorlice, 2016-11-03

place and date of issue

"GÓR-STAL" Sp. z o.o.
 38-300 Gorlice, ul. Przemysłowa 11
 tel. 018 353 98 00
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DYREKTOR PRODUKCJI
Piotr Grzywa

signed for and on behalf of the manufacturer by

P-10.1.Z5.G. ENGLISH

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 Kapitał Zakładowy: 5 000 000 zł
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 REGON: 852712117

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 KRS: 0000166841
 Sąd Rejonowy dla Krakowa Śródmieścia w Krakowie
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 Adres Fabryki Paneli Termoizolacyjnych w Bochni
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**Annex 3 to DECLARATION OF PERFORMANCE
DATASHEETS**



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

Produkt group	GORLICKA CH			
Description of product:				
Intended uses	External & internal walls, ceilings			
Type of core	Rigid PUR 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 Module Profil. outer/inner			

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

Unique identification code of the product-type /Name		Gorlicka CH100	Gorlicka CH120	Gorlicka CH160	Gorlicka CH200	-					
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 ² *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.	ambient temperature	kNm/m	7,50	8,70	11,60	14,50	PN-EN 14509			
Bending resistance in the span	negativ.			4,30	5,10	5,70	8,30				
Wrinkling strength in the span (external face)				MPa	150	145	145		145		
Wrinkling strength in the span (internal face)					105	105	105		105		
Bending resist. at an internal support	positiv.			kNm/m	4,20	5,00	5,60		7,00		
Bending resist. at an internal support	negativ.				4,90	4,00	5,30		6,60		
Wrinkling strength at int. support (internal f.)				MPa	105	105	85		85		
Wrinkling strength at int. support (external f.)					95	65	65		65		
Bending resistance in the span	positiv.			elevated temperature	kNm/m	7,20	8,40		11,30	14,10	PN-EN 14509
Bending resistance in the span	negativ.					4,10	5,00		5,50	8,10	
Wrinkling strength in the span (external face)		MPa	145			140	140	140			
Wrinkling strength in the span (internal face)			100			100	100	100			
Bending resist. at an internal support	positiv.	kNm/m	4,00			4,90	5,40	6,80			
Bending resist. at an internal support	negativ.		4,70			3,80	5,10	6,40			
Wrinkling strength at int. support (internal f.)		MPa	100			100	85	85			
Wrinkling strength at int. support (external f.)			95			60	60	60			
Creep coefficient	for t=2.000h:	0,78 (for 0,5/0,5); 1,50 (for 0,5/0,4)				PN-EN 14509					
	for t=100.000h:	1,27 (for 0,5/0,5); 2,51 (for 0,5/0,4)									
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-s2,d0				PN-EN 13501-1					
Fire resistance		NPD	E60/EI15; EI20 <i>Details in the classification</i>			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)				PN-EN 12114					
	(-)	0,06 [m ³ /m ² *h] for Δp=50 [kPa]; (C=0,0528 m ³ /(hPa ⁿ), n=0,3110)									
Airborne sound insulation		23(-2,-4) 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					