GÓR-STAL
PŁYTY WARSTWOWE

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CE
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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/es: 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.

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tel. 018 353 98 00
REGON 852712117 NIP 738-19-45-154

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DYREKTOR PRODUKCJI

Gorlice, 2016-11-03
place and date of issue

Piotr Grzywa
signed for and on behalf of the manufacturer by

P-10.1.Z5.G, ENGLISH

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/m3
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*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 *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 [m3/m*h] for Δp=50 [kPa]; (C=0,0031 m3/(hPa^n), n=0,8004)				PN-EN 12114
			(-)	0,06 [m3/m*h] for Δp=50 [kPa]; (C=0,0528 m3/(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