

# DECLARATION OF PERFORMANCE



**No. 2015-002**

1. Unique identification code of the product type: *WGT, WGB, BKW, BTKW* .....
2. Intended use/es: *screws for fixing gypsum plasterboard systems* .....
3. Manufacturer: *ARVEX GROBELNY Sp. z o.o.* .....  
*ul. Makuszyńskiego 4, 30-969 Krakow, POLAND*.....
4. Authorised representative: -----
5. System/s of AVCP: *system 4* .....
- 6a. Harmonised standard: *PN-EN 14566+A1:2012 - „Mechanical fasteners for gypsum plasterboard systems - Definition, requirements and test methods”, 2012* .....
- Notified Body/ies: *1488, certificate of accreditation AB 023, Zakład Elementów Konstrukcji Budowlanych i Budownictwa na Terenach Górniczych, Laboratorium Łączników i WYROBÓW Budowlanych (LOK) Instytutu Techniki Budowlanej, Poland.* .....
- 6b. European Assessment Document: -----  
European Technical Assessment: -----  
Technical Assessment Body: -----  
Notified Body/ies: -----
7. Declared performance:

Essential characteristics	Product type	Performance		Harmonised technical specification
	Screws for fixing gypsum plasterboard systems*			
Length tolerances	WGT 3.5/25 WGB 3.5/25 BKW 3.5/25 BTKW 3.5/9.5, 3.9/11	± 0.50 [mm]		PN-EN 14566+A1:2012
	WGT 3.5/(35,45,55), 4.2/xx, 4.8/xx WGB 3.5/(35,45,55), 4.2/xx, 4.8/90 BKW 3.5/(35,45)	± 0.80 [mm]		
Pull-out force – average destructive forces in the wood substrate (construction wood C16) – N <sub>Ru</sub>	WGT 3.5/xx	2521 [N]		PN-EN 14566+A1:2012
	WGT 4.2/xx	2687 [N]		
	WGT 4.8/xx	3699 [N]		
Pull-out force – average destructive forces in the steel substrate (steel plate type S280GD) – N <sub>Ru</sub>	WGB 3.5/xx	881 [N]		PN-EN 14566+A1:2012
	WGB 4.2/xx	965 [N]		
	WGB 4.8/90	1601 [N]		
	BKW 3.5/xx BTKW 3.5/9.5	703 [N]		
	BTKW 3.9/11	730 [N]		
Bending behaviour	WGT 3.5/xx, 4.2/xx, 4.8/xx	No signs of cracks and scratches		PN-EN 14566+A1:2012
Average screwdriving/drilling time in the steel substrate (steel plate type S280GD)	WGB 3.5/xx	0.37 [s]		PN-EN 14566+A1:2012
	WGB 4.2/xx	0.49 [s]		
	WGB 4.8/90	0.68 [s]		
	BKW 3.5/xx BTKW 3.5/9.5	1.24 [s]		
	BTKW 3.9/11	0.95 [s]		
Average hardness by Vickers [HV10] and Rockwell [HRC] method	WGT 3.5/xx	619.2 [HV10]	56.0 [HRC]	PN-EN ISO 6507-1:2007 PN-H-04357:1993
	WGT 4.2/xx	612.1 [HV10]	55.7 [HRC]	
	WGT 4.8/xx	697.6 [HV10]	60.0 [HRC]	
	WGB 3.5/xx	680.7 [HV10]	59.2 [HRC]	
	WGB 4.2/xx	697.6 [HV10]	60.0 [HRC]	
	WGB 4.8/90	689.1 [HV10]	59.2 [HRC]	
	BKW 3.5/xx BTKW 3.5/9.5	697.6 [HV10]	60.0 [HRC]	
BTKW 3.9/11	706.2 [HV10]	60.1 [HRC]		
Pull-through force – average destructive forces in the gypsum plasterboard substrate	WGT 3.5/xx, 4.2/xx, 4.8/xx WGB 3.5/xx, 4.2/xx, 4.8/90 BKW 3.5/xx	791 [N]		PN-EN 14566+A1:2012

\*xx – applies to any length of the specified diameter of the screw.

8. Appropriate Technical Documentation and/or Specific Technical Documentation: *Test report* No. LOK00-01810/15/Z00OSK issued on 12th August 2015 by Zakład Elementów Konstrukcji Budowlanych i Budownictwa na Terenach Górniczych, Laboratorium Łączników i Wyróbów Budowlanych (LOK) Instytutu Techniki Budowlanej.

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.

Signed for and on behalf of the manufacturer by:

Jerzy Grobelny.....

in Krakow ..... on 26th August 2015.....

[place]

[date of issue]

"ARVEX GROBELNY" Sp. z o.o.  
30-969 Kraków, ul. Makuszyńskiego 4  
tel. 12 / 642 00 34, 684 06 10  
fax: 12 / 642 14 42 NIP 678-88-56-154

PREZES ZARZĄDU  
"ARVEX GROBELNY" Sp. z o.o.  
[signature]  
Jerzy Grobelny