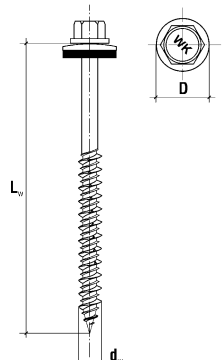


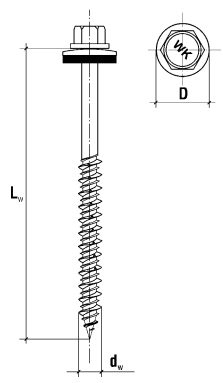
DECLARATION OF PERFORMANCE No 28/SZ/16

- Unique identification code of the product-type: **WB6P, WB6P-D, A2-WB6P**
- Intended use/es: **Fastening screws for sandwich panels**
- Manufacturer: **KLIMAS Sp. z o.o.
ul. Wincentego Witosa 135/137
Kuźnica Kiedrzyńska 42-233 Mykanów**
- Authorised representative: **not applicable**
- System/s of AVCP: **system 2+**
- European Assessment Document:
 - European Assessment Document (EAD) 330047-01-0602
„Fastening screws for sandwich panels”**
 - European Technical Assessments – ETA-16/0444 of 30/06/2016**
 - Instytut Techniki Budowlanej**
 - Identification number of notified body- 1488**
- Declared performance/s:

Self-drilling screws with hexagon head and sealing washer $\phi 19$ – WB6P-6,3 x L, WB6Px-6,3 x L, WB6P-D-6,3 x L							
<u>Material</u>							
Fastener:		carbon steel – SAE1022 quenched, tempered and galvanized ($\geq 12 \mu\text{m}$)					
Washer:		EPDM sealing ring with metal top made of coated carbon steel or stainless steel					
Component I:		S280GD, S320GD or S350GD – EN 10346					
Component II:		structural timber – EN 14081					
Drilling capacity: -							
<u>Timber substructures</u>							
For timber substructures performance assessed with $M_{y,Rk} = 8,910 \text{ Nm}$ $f_{ax,k} = 16,586 \text{ N/mm}^2$ for $l_{ef} \geq 30 \text{ mm}$							
<p style="text-align: right;">$L_w = 50-300 \text{ mm}$ $d_w = 6,3 \text{ mm}$ $D \geq 19 \text{ mm}$</p>							
Characteristic resistance of shear and pull-out load							
Component II: t_{II} in [mm]			≥ 30	-	-	-	-
Component I: $t_{N,1}$ or $t_{N,2,w}$ [mm]	Shear load $V_{R,k}$ [kN]	0,40	0,87	-	-	-	-
		0,50	1,35	-	-	-	-
		0,55	1,35	-	-	-	-
		0,63	1,70	-	-	-	-
		0,75	2,10	-	-	-	-
		0,88	2,10	-	-	-	-
		1,00	2,10	-	-	-	-
	Pull-out load $N_{R,k}$ [kN]	0,40	1,83	-	-	-	-
		0,50	3,13	-	-	-	-
		0,55	3,13	-	-	-	-
		0,63	3,13	-	-	-	-
		0,75	3,13	-	-	-	-
		0,88	3,13	-	-	-	-
		1,00	3,13	-	-	-	-

DECLARATION OF PERFORMANCE No 28/SZ/16

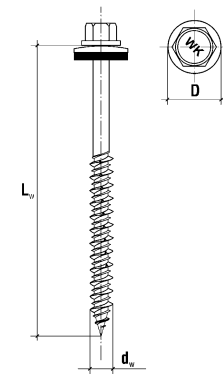
max. head displacement u depending on the sandwich panel thickness in [mm]	30	1	-	-	-	-
	40	1	-	-	-	-
	50	1	-	-	-	-
	60	1,5	-	-	-	-
	70	1,5	-	-	-	-
	80	1,5	-	-	-	-
	90	2	-	-	-	-
	100	2	-	-	-	-
	120	2	-	-	-	-
	>140	2	-	-	-	-

Self-drilling screws with hexagon head and sealing washer $\phi 19$ – WB6P-6,3 x L, WB6Px-6,3 x L, WB6P-D-6,3 x L	
<p><u>Material</u> Fastener: carbon steel – SAE1022 quenched, tempered and galvanized ($\geq 12 \mu\text{m}$)</p> <p>Washer: EPDM sealing ring with metal top made of aluminium</p> <p>Component I: S280GD, S320GD or S350GD – EN 10346</p> <p>Component II: structural timber – EN 14081</p>	 <p>$L_w = 30-300 \text{ mm}$ $d_w = 6,3 \text{ mm}$ $D \geq 19 \text{ mm}$</p>
<p>Drilling capacity: -</p> <p><u>Timber substructures</u> For timber substructures performance assessed with $M_{y,Rk} = 8,910 \text{ Nm}$ $f_{ax,k} = 16,586 \text{ N/mm}^2$ for $l_{ef} \geq 30 \text{ mm}$</p>	

Characteristic resistance of shear and pull-out load						
Component II: t_{II} in [mm]		≥ 30	-	-	-	-
Component I: $t_{N,1}$ or $t_{N,2}$ w [mm]	Shear load $V_{R,k}$ [kN]	0,40	0,87	-	-	-
		0,50	1,35	-	-	-
		0,55	1,35	-	-	-
		0,63	1,70	-	-	-
		0,75	2,10	-	-	-
		0,88	2,10	-	-	-
		1,00	2,10	-	-	-
	Pull-out load $N_{R,k}$ [kN]	0,40	1,83	-	-	-
		0,50	3,13	-	-	-
		0,55	3,13	-	-	-
		0,63	3,13	-	-	-
		0,75	3,13	-	-	-
		0,88	3,13	-	-	-
		1,00	3,13	-	-	-
max. head displacement u depending on the sandwich panel thickness in [mm]	30	1	-	-	-	
	40	1	-	-	-	
	50	1	-	-	-	
	60	1,5	-	-	-	
	70	1,5	-	-	-	

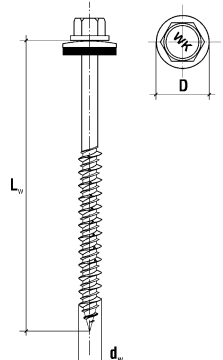
DECLARATION OF PERFORMANCE No 28/SZ/16

	80	1,5	-	-	-	-
	90	2	-	-	-	-
	100	2	-	-	-	-
	120	2	-	-	-	-
	>140	2	-	-	-	-

Self-drilling screws with hexagon head and sealing washer $\phi 19$ – A2-WB6P-6,3 x L	
<p><u>Material</u> Fastener: stainless steel – SAE304 Washer: EPDM sealing ring with metal top made of stainless steel Component I: S280GD, S320GD or S350GD – EN 10346 Component II: structural timber – EN 14081</p>	 <p>$L_w = 30-300$ mm $d_w = 6,3$ mm $D \geq 19$ mm</p>
Drilling capacity: -	
<p><u>Timber substructures</u> For timber substructures performance assessed with $M_{y,Rk} = 6,830$ Nm $f_{ax,k} = 16,586$ N/mm² for $l_{ef} \geq 30$ mm</p>	

Characteristic resistance of shear and pull-out load						
Component II: t_{II} in [mm]		≥ 30	-	-	-	-
Component I: $t_{N,1}$ or $t_{N,2}$ w [mm]	Shear load $V_{R,k}$ [kN]	0,40	0,87	-	-	-
		0,50	1,35	-	-	-
		0,55	1,35	-	-	-
		0,63	1,70	-	-	-
		0,75	2,10	-	-	-
		0,88	2,10	-	-	-
		1,00	2,10	-	-	-
	Pull-out load $N_{R,k}$ [kN]	0,40	1,83	-	-	-
		0,50	3,13	-	-	-
		0,55	3,13	-	-	-
		0,63	3,13	-	-	-
		0,75	3,13	-	-	-
		0,88	3,13	-	-	-
		1,00	3,13	-	-	-
max. head displacement u depending on the sandwich panel thickness in [mm]	30	1	-	-	-	
	40	1	-	-	-	
	50	1	-	-	-	
	60	1,5	-	-	-	
	70	1,5	-	-	-	
	80	1,5	-	-	-	
	90	2	-	-	-	
	100	2	-	-	-	
	>140	2	-	-	-	

DECLARATION OF PERFORMANCE No 28/SZ/16

Self-drilling screws with hexagon head and sealing washer $\phi 19$ – A2-WB6P-6,3 x L							
<p>Material Fastener: stainless steel – SAE304 Washer: EPDM sealing ring with metal top made of aluminium Component I: S280GD, S320GD or S350GD – EN 10346 Component II: structural timber – EN 14081</p>				 <p>$L_w = 30-300$ mm $d_w = 6,3$ mm $D \geq 19$ mm</p>			
Drilling capacity: -							
<p>Timber substructures For timber substructures performance assessed with $M_{y,Rk} = 6,830$ Nm $f_{ax,k} = 16,586$ N/mm² for $l_{ef} \geq 30$ mm</p>							
Characteristic resistance of shear and pull-out load							
		Component II: t_{II} in [mm]	≥ 30	-	-	-	-
Component I: $t_{N,1}$ or $t_{N,2}$ w [mm]	Shear load $V_{R,k}$ [kN]	0,40	0,87	-	-	-	-
		0,50	1,35	-	-	-	-
		0,55	1,35	-	-	-	-
		0,63	1,70	-	-	-	-
		0,75	2,10	-	-	-	-
		0,88	2,10	-	-	-	-
		1,00	2,10	-	-	-	-
	Pull-out load $N_{R,k}$ [kN]	0,40	1,83	-	-	-	-
		0,50	3,13	-	-	-	-
		0,55	3,13	-	-	-	-
		0,63	3,13	-	-	-	-
		0,75	3,13	-	-	-	-
		0,88	3,13	-	-	-	-
		1,00	3,13	-	-	-	-
max. head displacement u depending on the sandwich panel thickness in [mm]	30	1	-	-	-	-	
	40	1	-	-	-	-	
	50	1	-	-	-	-	
	60	1,5	-	-	-	-	
	70	1,5	-	-	-	-	
	80	1,5	-	-	-	-	
	90	2	-	-	-	-	
	100	2	-	-	-	-	
	>140	2	-	-	-	-	

DECLARATION OF PERFORMANCE No 28/SZ/16

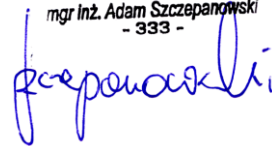
8. Appropriate Technical Documentation and/or Specific Technical Documentation: **not applicable**

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:

Kuźnica Kiedrzyńska
24.08.2016r.
(place and date of issue)

Adam Szczepanowski
DORADCA TECHNICZNY

mgr inż. Adam Szczepanowski
- 333 -


(signature)