

## DECLARATION OF PERFORMANCE No 8/SZ/16

1. Unique identification code of the product-type: **Flat Roof Fasteners**  
(LINO 13; LINO 13K; LINO 15, WDB, WSR, WB6, WBSW, KD)
2. Intended use/es: **Fasteners for flexible roof waterproofing systems**
3. Manufacturer: **KLIMAS Sp. z o.o.**  
**ul. Wincentego Witosa 135/137**  
**Kuźnica Kiedrzyńska 42-233 Mykanów**
4. Authorised representative: **not applicable**
5. System/s of AVCP: **system 2+**
6. European Assessment Document:
  - a) The guidelines EAD – ETAG 006 edition March 2000, amended November 2012
  - b) European Technical Assessments – ETA-15/0578 of 30/09/2015
  - c) Instytut Techniki Budowlanej
  - d) Identification number of notified body- 1488
7. Declared performance/s:

Characteristic values of axial load resistance [kN]								
No	Flat Roof Fasteners		Substrate					
			Steel sheet S280GD acc. to EN 10346			Wood class $\geq$ C24 acc. to EN 14081	OSB acc. to EN 300	Plywood acc. to EN 313
			$t \geq 0,50$ mm	$t \geq 0,63$ mm	$t \geq 0,75$ mm	$h_{ef} = 30$ mm	$h_{ef} = 18$ mm	$h_{ef} = 20$ mm
Screw	Washer							
1	WDB-4,8 or WDB-T-4,8	LINO 13 PA	0,78	0,99	1,17	2,37	1,06	0,98
2		LINO 13K PA	0,78	0,99	1,17	2,37	1,06	0,98
3		LINO 15 PE	0,78	0,99	1,17	1,70	1,06	0,98
4		LINO 15 PP	0,78	0,99	1,17	1,95	1,06	0,98
5		KD-01	0,78	0,99	1,17	1,67	1,06	0,98
6		KD-02-W-5,5	0,78	0,99	1,17	2,06	1,06	0,98
7		KD-03-P	0,78	0,99	1,17	2,50	1,06	0,98
8		KD-03-W5	0,78	0,99	1,17	2,84	1,06	0,98
9		KD-04-W5	0,78	0,99	1,17	3,23	1,06	0,98
10		KD-05	0,78	0,99	1,17	3,12	1,06	0,98
11		KD-03-W7	0,78	0,99	1,17	2,46	1,06	0,98
12		KD-03-WW7	0,78	0,99	1,17	3,45	1,06	0,98
13		KD-07-WW	0,78	0,99	1,17	2,90	1,06	0,98

Characteristic values of axial load resistance [kN]							
No	Flat Roof Fasteners		Substrate				
			Steel sheet S280GD acc. to EN 10346				
			$t \geq 0,50$ mm	$t \geq 0,63$ mm	$t \geq 0,75$ mm	$t \geq 0,88$ mm	$t \geq 1,00$ mm
Screw	Washer						
14	WSR-4,8 or WSR-T-4,8	LINO 13 PA	0,84	1,03	1,20	1,53	1,61
15		LINO 13K PA	0,84	1,03	1,20	1,53	1,61
16		LINO 15 PE	0,84	1,03	1,20	1,53	1,61

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17		LINO 15 PP	0,84	1,03	1,20	1,53	1,61
18		KD-01	0,84	1,03	1,20	1,53	1,61
19		KD-02-W-5,5	0,84	1,03	1,20	1,53	1,61
20		KD-03-P	0,84	1,03	1,20	1,53	1,61
21		KD-03-W5	0,84	1,03	1,20	1,53	1,61
22		KD-04-W5	0,84	1,03	1,20	1,53	1,61
23		KD-05	0,84	1,03	1,20	1,53	1,61
24		KD-03-W7	0,84	1,03	1,20	1,53	1,61
25		KD-03-WW7	0,84	1,03	1,20	1,53	1,61
26		KD-07-WW	0,84	1,03	1,20	1,53	1,61

Characteristic values of axial load resistance [kN]								
No	Flat Roof Fasteners		Substrate					
			Wood class $\geq$ C24 acc. to EN 14081	OSB acc. to EN 300	Plywood acc. to EN 313	Concrete $\geq$ C12/15 acc. to EN 206	Concrete $\geq$ C20/25 acc. to EN 206	Precast concrete slab $\geq$ C20/25 acc. to EN 206
	Screw	Washer	$h_{ef} = 30$ mm	$h_{ef} = 18$ mm	$h_{ef} = 20$ mm	$h_{ef} = 30$ mm	$h_{ef} = 30$ mm	$h_{ef} = 20$ mm
27	WBSW	LINO 13 PA	2,32	1,68	2,32	1,64	2,12	1,92
28		LINO 13K PA	2,32	1,68	2,32	1,64	2,12	1,92
29		LINO 15 PE	2,03	1,68	2,03	1,57	2,03	1,92
30		LINO 15 PP	2,16	1,68	2,16	1,64	2,12	1,92
31		KD-03-W7	3,04	1,68	3,56	1,64	2,12	1,92
32		KD-03-WW7	3,04	1,68	3,62	1,64	2,12	1,92
33		KD-07-WW	3,04	1,68	3,30	1,64	2,12	1,92

Characteristic values of axial load resistance [kN]					
No	Flat Roof Fasteners		Substrate		
			Concrete $\geq$ C12/15 acc. to EN 206	Concrete $\geq$ C20/25 acc. to EN 206	Precast concrete slab $\geq$ C20/25 acc. to EN 206
	Screw	Washer	$h_{ef} = 30$ mm	$h_{ef} = 30$ mm	$h_{ef} = 20$ mm
34	WDB-4,8 + KNX 8x50 or WDB-T-4,8 + KNX 8x50	LINO 13 PA	1,12	1,45	1,20
35		LINO 13K PA	1,12	1,45	1,20
36		LINO 15 PE	1,12	1,45	1,20
37		LINO 15 PP	1,12	1,45	1,20
38		KD-01	1,12	1,45	1,20
39		KD-03-W5	1,12	1,45	1,20
40		KD-04-W5	1,12	1,45	1,20
41		KD-05	1,12	1,45	1,20
42		KD-02-W-5,5	1,12	1,45	1,20
43		KD-03-P	1,12	1,45	1,20
44		KD-03-W7	1,12	1,45	1,20
45		KD-03-WW7	1,12	1,45	1,20
46		KD-07-WW	1,12	1,45	1,20

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47	WB6	KD-03-W7	2,31	2,98	2,10
48		KD-03-WW7	2,31	2,98	2,10
49		KD-07-WW	2,31	2,98	2,10
50		KD-03-W9	2,31	2,98	2,10

Characteristic values of axial load resistance [kN]				
No	Flat Roof Fasteners		Substrate	
			Concrete $\geq$ C12/15 acc. to EN 206	Concrete $\geq$ C20/25 acc. to EN 206
	Screw	$h_{ef} = 30$ mm	$h_{ef} = 30$ mm	$h_{ef} = 30$ mm
51	SMN 6x50	KD-03-W7	0,79	1,02
52		KD-03-WW7	0,79	1,02
53		KD-07-WW	0,79	1,02
54	SMN 8x60	KD-03-W9	1,18	1,52

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*  
 01.06.2016r.  
 (place and date of issue)

*Adam Szczepanowski*  
 DORADCA TECHNICZNY  
 mgr inż. Adam Szczepanowski  
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 (signature)