

DECLARATION OF PERFORMANCE No 8/SZ/16

1. Unique identification code of the product-type: **Wkręt-Met Flat Roof Fasteners**
(LINO 13; LINO 13K; LINO 15, WDB, WSR, WB6, WBSW, KD)
2. Intended use/es: **Fasteners for flexible roof waterproofing sheets**
3. Manufacturer: **Wkręt-met Sp. z o.o.**
ul. Wincentego Witosa 170/176
Kuźnica Kiedrzyńska 42-233 Mykanów
4. Authorised representative: **not applicable**
5. System/s of AVCP: **system 2+**
6. Harmonised standard: **a) European Assessment Document: EAD 030351-00-0402**
b) European Technical Assessment: ETA-15/0578 of 30/06/2023
c) Technical Assessment Body: Instytut Techniki Budowlanej
d) Identification number of the notified body - 1488
7. Declared performance/s:

Characteristic values of axial load resistance [kN]								
Ann. No.	Wkręt-Met 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
	Screw	Washer with sleeve / washer	$t \geq 0,50$ mm	$t \geq 0,63$ mm	$t \geq 0,75$ mm	$h_{ef} = 30$ mm	$h_{ef} = 18$ mm	$h_{ef} = 20$ mm
A14	WDB-4,8 or WDB-T-4,8	LINO 13 PA	0,78	0,99	1,17	2,37	1,06	0,98
A14		LINO 13K PA	0,78	0,99	1,17	2,37	1,06	0,98
A14		LINO 13 PP	0,78	0,99	1,17	2,12	1,06	0,98
A14		LINO 13K PP	0,78	0,99	1,17	2,12	1,06	0,98
A14		LINO 15 PE	0,78	0,99	1,17	1,70	1,06	0,98
A14		LINO 15 PP	0,78	0,99	1,17	1,95	1,06	0,98
A15		KD-04-W5	0,78	0,99	1,17	3,23	1,06	0,98
A15		KD-01	0,78	0,99	1,17	1,67	1,06	0,98
A15		KD-03-W5	0,78	0,99	1,17	2,84	1,06	0,98
A15		KD-05	0,78	0,99	1,17	3,12	1,06	0,98
A16		KD-03-P	0,78	0,99	1,17	2,50	1,06	0,98
A16		KD-02-W-5,5	0,78	0,99	1,17	2,06	1,06	0,98
A16		KD-07-WW	0,78	0,99	1,17	2,90	1,06	0,98
A16		KD-03-WW7	0,78	0,99	1,17	2,27	1,06	0,98
A17		KD-03-W7	0,78	0,99	1,17	2,46	1,06	0,98
A17		KD-05-W6	0,78	0,99	1,17	3,67	1,06	0,98
A17		KD-07-N65	0,78	0,99	1,17	3,67	1,06	0,98
A17		KD-07-WG5	0,78	0,99	1,17	2,42	1,06	0,98
A18		KD-07-W5	0,78	0,99	1,17	2,22	1,06	0,98
A18		KD-07-W6	0,78	0,99	1,17	2,63	1,06	0,98
A18		KD-07-H6	0,78	0,99	1,17	2,85	1,06	0,98

DECLARATION OF PERFORMANCE No 8/SZ/16

A18		KD-03-N65	0,78	0,99	1,17	3,67	1,06	0,98
A19		KD-03-G65	0,78	0,99	1,17	3,67	1,06	0,98
A19		KD-03-W7E	0,78	0,99	1,17	2,74	1,06	0,98

Characteristic values of axial load resistance [kN]							
Ann. No.	Wkręt-Met Flat Roof Fasteners		Substrate				
			Steel sheet S280GD acc. to EN 10346				
	Screw	Washer with sleeve / washer	t ≥ 0,50 mm	t ≥ 0,63 mm	t ≥ 0,75 mm	t ≥ 0,88 mm	t ≥ 1,00 mm
A20	WSR-4,8 or WSR-T-4,8	LINO 13 PA	0,84	1,03	1,20	1,53	1,61
A20		LINO 13K PA	0,84	1,03	1,20	1,53	1,61
A20		LINO 13 PP	0,84	1,03	1,20	1,53	1,61
A20		LINO 13K PP	0,84	1,03	1,20	1,53	1,61
A20		LINO 15 PE	0,84	1,03	1,20	1,53	1,61
A20		LINO 15 PP	0,84	1,03	1,20	1,53	1,61
A21		KD-04-W5	0,84	1,03	1,20	1,53	1,61
A21		KD-01	0,84	1,03	1,20	1,53	1,61
A21		KD-03-W5	0,84	1,03	1,20	1,53	1,61
A21		KD-05	0,84	1,03	1,20	1,53	1,61
A22		KD-03-P	0,84	1,03	1,20	1,53	1,61
A22		KD-02-W-5,5	0,84	1,03	1,20	1,53	1,61
A22		KD-07-WW	0,84	1,03	1,20	1,53	1,61
A22		KD-03-WW7	0,84	1,03	1,20	1,53	1,61
A23		KD-03-W7	0,84	1,03	1,20	1,53	1,61
A23		KD-05-W6	0,84	1,03	1,20	1,53	1,61
A23		KD-07-N65	0,84	1,03	1,20	1,53	1,61
A23		KD-07-WG5	0,84	1,03	1,20	1,53	1,61
A24		KD-07-W5	0,84	1,03	1,20	1,53	1,61
A24		KD-07-W6	0,84	1,03	1,20	1,53	1,61
A24		KD-07-H6	0,84	1,03	1,20	1,53	1,61
A24		KD-03-N65	0,84	1,03	1,20	1,53	1,61
A25		KD-03-G65	0,84	1,03	1,20	1,53	1,61
A25		KD-03-W7E	0,84	1,03	1,20	1,53	1,61

DECLARATION OF PERFORMANCE No 8/SZ/16

Characteristic values of axial load resistance [kN]								
Ann. No.	Wkręt-Met Flat Roof Fasteners		Substrate					
			Wood class ≥ C24 acc. to EN 14081	OSB acc. to EN 300	Plywood acc. to EN 313	Concrete ≥ C12/15 acc. to EN 206	Concrete ≥ C20/25 acc. to EN 206	Precast concrete slab ≥ C20/25 acc. to EN 206
	Screw	Washer with sleeve / washer	$h_{ef} = 30 \text{ mm}$	$h_{ef} = 18 \text{ mm}$	$h_{ef} = 20 \text{ mm}$	$h_{ef} = 30 \text{ mm}$	$h_{ef} = 30 \text{ mm}$	$h_{ef} = 20 \text{ mm}$
A26	WBSW	LINO 13 PA	2,32	1,68	2,32	1,64	2,12	1,92
A26		LINO 13K PA	2,32	1,68	2,32	1,64	2,12	1,92
A26		LINO 13 PP	2,12	1,68	2,12	1,64	2,12	1,92
A26		LINO 13K PP	2,12	1,68	2,12	1,64	2,12	1,92
A26		LINO 15 PE	2,03	1,68	2,03	1,57	2,03	1,92
A26		LINO 15 PP	2,16	1,68	2,16	1,64	2,12	1,92
A27		KD-07-WW	3,04	1,68	3,30	1,64	2,12	1,92
A27		KD-03-WW7	3,04	1,68	3,62	1,64	2,12	1,92
A27		KD-03-W7	3,04	1,68	3,54	1,64	2,12	1,92
A27		KD-05-W6	3,04	1,68	3,54	1,64	2,12	1,92
A28		KD-07-N65	3,04	1,68	3,54	1,64	2,12	1,92
A28		KD-03-N65	3,04	1,68	3,54	1,64	2,12	1,92
A28		KD-03-G65	3,04	1,68	3,54	1,64	2,12	1,92
A28		KD-03-W7E	3,04	1,68	3,04	1,64	2,12	1,92

Characteristic values of axial load resistance [kN]						
Ann. No.	Wkręt-Met Flat Roof Fasteners			Substrate		
				Concrete ≥ C12/15 acc. to EN 206	Concrete ≥ C20/25 acc. to EN 206	Precast concrete slab ≥ C20/25 acc. to EN 206
	Screw	Washer with sleeve / washer	Stretcher	$h_{ef} = 30 \text{ mm}$	$h_{ef} = 30 \text{ mm}$	$h_{ef} = 20 \text{ mm}$
A29	WDB-4,8 or WDB-T-4,8	LINO 13 PA	KNX 8×50	1,12	1,45	1,20
A29		LINO 13K PA		1,12	1,45	1,20
A29		LINO 13 PP		1,12	1,45	1,20
A29		LINO 13K PP		1,12	1,45	1,20
A29		LINO 15 PE		1,12	1,45	1,20
A29		LINO 15 PP		1,12	1,45	1,20
A30		KD-04-W5		1,12	1,45	1,20
A30		KD-01		1,12	1,45	1,20
A31		KD-03-W5		1,12	1,45	1,20
A31		KD-05		1,12	1,45	1,20

DECLARATION OF PERFORMANCE No 8/SZ/16

A32		KD-03-P		1,12	1,45	1,20
A32		KD-02-W-5,5		1,12	1,45	1,20
A33		KD-07-WW		1,12	1,45	1,20
A33		KD-03-WW7		1,12	1,45	1,20
A34		KD-03-W7		1,12	1,45	1,20
A35		KD-05-W6		1,12	1,45	1,20
A35		KD-07-N65		1,12	1,45	1,20
A36		KD-07-WG5		1,12	1,45	1,20
A36		KD-07-W5		1,12	1,45	1,20
A37		KD-07-W6		1,12	1,45	1,20
A37		KD-07-H6		1,12	1,45	1,20
A38		KD-03-N65		1,12	1,45	1,20
A38		KD-03-G65		1,12	1,45	1,20
A39		KD-03-W7E		1,12	1,45	1,20

Characteristic values of axial load resistance [kN]					
Ann. No.	Wkret-Met Flat Roof Fasteners		Substrate		
			Concrete ≥ C12/15 acc. to EN 206	Concrete ≥ C20/25 acc. to EN 206	
	Fastener	Washer	$h_{ef} = 30 \text{ mm}$	$h_{ef} = 30 \text{ mm}$	
A40	SMN 6×50	KD-07-WW	0,79	1,02	
A40		KD-03-WW7	0,79	1,02	
A41		KD-03-W7	0,79	1,02	
A41	SMN 8×60	KD-03-W9	1,18	1,52	

DECLARATION OF PERFORMANCE No 8/SZ/16

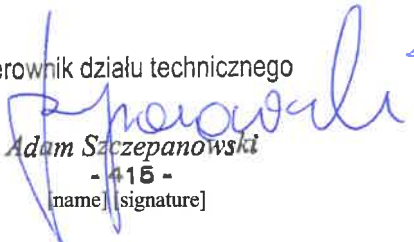
Characteristic values of axial load resistance [kN]					
Ann. No.	Wkręt-Met Flat Roof Fasteners		Substrate		
			Concrete ≥ C12/15 acc. to EN 206	Concrete ≥ C20/25 acc. to EN 206	Precast concrete slab ≥ C20/25 acc. to EN 206
	Screw	Washer	$h_{ef} = 30 \text{ mm}$	$h_{ef} = 30 \text{ mm}$	$h_{ef} = 20 \text{ mm}$
A42	WB6	KD-07-WW	2,31	2,98	2,10
A42		KD-03-WW7	2,31	2,98	2,10
A42		KD-03-W7	2,31	2,98	2,10
A42		KD-03-W9	2,31	2,98	2,10

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
03.07.2023r.
 [place] [date of issue]

Kierownik działu technicznego

Adam Szczepanowski
 - 415 -
 [name] [signature]

