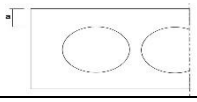
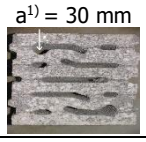
DECLARATION OF PERFORMANCE

No. DoP-12/0457-FX-N

1. Unique identification code of the product-type: **FX-N**
2. Intended use/es: **Multiple fixing of profiles for external thermal insulation composite systems (ETICS) according to EAD 040083-00-0404 or prefabricated units for external wall insulation (Veture Kits) according to EAD 040914-00-0404, in concrete and masonry**
3. Manufacturer: **RAWLPLUG S.A., ul. Kwidzyńska 6, 51-416 Wrocław, Poland**
4. System/s of AVCP: **System 2+**
5. European Assessment Document: **EAD 330196-01-0604; July 2017**
6. European Technical Assessment: **ETA-12/0457; 2024-12-19**
   Technical Assessment Body: **Instytut Techniki Budowlanej**
   Notified body/ies: **1488 ITB**
7. Declared performance/s:

Essential characteristic	**Performance**
Characteristic resistance	Table C1
Displacements	Table C2
Edge distances and spacings	Table B1, B2

Table C1: Characteristic resistance under tension loads, N_{Rk}, in concrete and in masonry for single anchor

Base material	Reffering standard	Bulk density [kg/dm³]	Compressive strength [N/mm²]	Drill method	NRk [kN]		
					FX-N-05	FX-N-06	FX-N-08
Concrete C12/15	EN 206-1	–	–	hammer drilling	0.2	0.2	0.3
Concrete C20/25 - C50/60	EN 206-1	–	–		0.3	0.3	0.5
Solid clay brick 	EN 771-1	≥ 1.7	≥ 30.0	hammer drilling	0.2	0.2	0.5
Solid calcium silicate brick (e.g. KS NF 20-2.0) 	EN 771-2	≥ 2.0	≥ 20.0	hammer drilling	0.2	0.4	0.4
Calcium silicate hollow block (eg. KS L-R(P) 8 DF) a[1] = 30 mm 	EN 771-2	≥ 1.6	≥ 12.0	rotary drilling	0.3	0.3	–
Lightweight concrete hollow block Hbl a[1] = 30 mm 	DIN 18151	≥ 0.8	≥ 2.0	rotary drilling	0.2	0.3	0.3
Lightweight concrete block LAC 20	EN 771-3	≥ 1.56	≥ 20.0	rotary drilling	0.2	0.3	0.5
Autoclaved aerated concrete block AAC 2	EN 771-4	≥ 0.35	≥ 2.0	rotary drilling	–	0.1	0.1
Partial safety factor γ_M[2]	2.0						

[1] Minimum values "a". for elements with lower value of "a" the load tests on the construction site are required
[2] Valid in absence of other national regulations

Table C2: Displacements behavior

Base material	$\frac{N_{Rk}}{3}$ [kN]			δ(for $\frac{N_{Rk}}{3}$) [mm]		
	FX-N-05	FX-N-06	FX-N-08	FX-N-05	FX-N-06	FX-N-08
Concrete C12/15	0.07	0.07	0.10	0.20	0.13	0.27
Concrete C20/25 - C50/60	0.10	0.10	0.17	0.26	0.26	0.40
Solid clay brick	0.07	0.07	0.17	0.19	0.32	0.70
Solid calcium silicate brick	0.07	0.13	0.13	0.30	0.21	0.16
Calcium silicate hollow block	0.10	0.10	–	0.28	0.32	–
Lightweight concrete hollow block	0.07	0.10	0.10	0.36	0.35	0.73
Lightweight concrete block LAC 20	0.07	0.10	0.17	0.21	0.42	0.14
Autoclaved aerated concrete block AAC 2	–	0.03	0.03	–	0.08	0.08

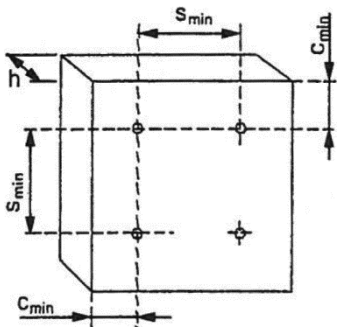
Table B1: Installation characteristics

Anchor type		FX-N-05	FX-N-06	FX-N-08
Drill hole diameter	d_o [mm]	5,0	6,0	8,0
Cutting diameter of drill bit	d_{cut} [mm]	≤ 5.40	≤ 6.40	≤ 8.45
Depth of drill hole for base material group A, B, C, D, E	h_1 [mm]	≥ 35	≥ 40	≥ 50
Effective anchorage depth for base material group A, B, C, D, E	h_{ef} [mm]	25	29	40

Table B2: Minimum thickness of base material, edge distance and anchor spacing

Anchor type		FX-N
Minimum thickness of base material	h_{min} [mm]	100
Minimum spacing	s_{min} [mm]	100
Minimum edge distance	c_{min} [mm]	100

Diagram of spacing



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kapitał zakładowy: 31.059.401 PLN, kapitał wpłacony: 31.059.401 PLN

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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:

Radosław Koelner
President of the Management Board
Wrocław, 2026-02-27

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