

Declaration of Performance

DoP-07/0336-TFIX-8M

1. Unique identification code of the product-type:

TFIX-8M



The photo depicts an example of a product of the given type of goods

2. Intended use/es:

**general type
to be applied in**

Fasteners

option / category

Nailed-in plastic anchor for fixing of external thermal insulation composite systems with rendering in concrete and masonry

Loading

ETAG 014

material

subject to wind suction

The KOELNER insulation support TFIX-8M is a nailed-in anchor which consists of a plastic part made of polypropylene and an accompanying specific nail of galvanised steel. The head of the nail has an additional plastic coating. The anchor may in addition be combined with the anchor plates KWL 90, KWL 110 and KWL 140.

3. Manufacturer:

Rawlplug S.A.

ul. Kwidzyńska 6, 51-416 Wrocław, PL

www.rawlplug.com

4. System/s of AVCP:

System 2+

5. European Assessment Document:

ETAG 014 Plastic anchors for fixing of external thermal insulation composite systems with rendering
Utilization category: A, B, C

6. European Technical Assessment:

ETA-07/0336 edition of 2013-04-17

7. Technical Assessment Body:

Deutsches Institut für Bautechnik

8. Notified body/ies:

1488 on the basis of:

- initial inspection of the manufacturing plant and of factory production control
- continuing surveillance, assessment and evaluation of factory production control

issued a certificate **1488-CPD-0244/Z**

9. Declared performance/s:

Essential Characteristics:

Technical Specification	Basic requirements according to CPR		Remarks:
ETA-07/0336	[1]	Mechanical resistance and stability	Declared values on the page 2
	[4]	Operational safety	Such criteria as those significant for [1]

Characteristic resistance to pull-out of a single connector NRk [kN]					
Substrate	Density class ρ [kg/dm ³]	Minimum compression resistance f_b [N/mm ²]	General comments	Drilling method	NRK [kN]
Concrete C12/15 – C50/60			EN 206-1	Impact	1,2
Full ceramic brick E.g. compliant with DIN V 105-100 / EN 771-1; Mz	$\geq 2,0$	12	Cross-section reduced up to 15% by vertical perforation to surface	Impact	1,2
Ceramic chequer brick E.g. compliant with DIN V 105-100 / EN 771-1; HLz	$\geq 1,0$	12	Cross-section reduced by 15 - 50% by vertical perforation to surface. Exterior wall thickness $\geq 14\text{mm}$	Drilling	0,6
Full silicate brick E.g. compliant DIN V 106 / EN 771-2; KS	$\geq 1,8$	12	Cross-section reduced up to 15% by vertical perforation to surface	Impact	1,2
Cored silicate brick E.g. compliant with DIN V 106 / EN 771-2; KSL	$\geq 1,6$	12	Cross-section reduced by more than 15% by vertical perforation to surface. Exterior wall thickness $\geq 20\text{mm}$	Impact	0,9
Full lightweight concrete blocks e.g. compliant with DIN 18152-100 / EN 771-3; Vbl	$\geq 0,7$	4	Proportion between hole base and surface up to 10%. Max hole base size: 110x45mm	Drilling	0,3
Lightweight concrete hollow bricks E.g. compliant with DIN 18151-100 / EN 771-3; Hbl	$\geq 0,9$	2	According to attachment 6 exterior wall thickness $\geq 35\text{mm}$	Drilling	0,5
Full lightweight concrete blocks e.g. compliant with DIN 18152-100 / EN 771-3; V	$\geq 1,2$	6	Proportion between hole base and surface up to 10%. Max hole base size: 110x45mm	Impact	0,5
Partial safety factor (1)					2,0

(1) Depending on domestic regulations

Heat penetration factor at given point acc. to EOTA TR 025		
Connector type	Insulation thickness hD [mm]	Heat penetration factor x [W/K]
Koelner TFIX-8M	50 – 270	0,002

Plate rigidity according to Technical Report EOTA TR 026			
Connector type	Plate diameter [mm]	Plate resistance [kN]	Plate rigidity [kN/mm]
Koelner TFIX-8M	60	1,75	1,0

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 manufacturer:

Sławomir Jagła
Proxy of the Quality Management System
Wrocław, 11.02.2015.

PEŁNOMOCNIK SYSTEMU
ZARZĄDZANIA JAKOŚCIĄ

Jagła
mgr Sławomir Jagła