

Declaration of Performance

DoP-17/0592-R-TFIX-8M

1. Unique identification code of the product-type:

R-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**

Plastic anchor

Anchorage subject to multiple fixing for the anchorage of bonded thermal insulation composite systems (ETICS).

option / category

Loading

subject to wind suction

material

The R-TFIX-8M nailed plastic anchor consists of an anchor sleeve with an enlarged shaft, a polypropylene insulating plate, a pin made of reinforced polyamide and a special ring nail made of galvanized steel, a steel covered with zinc flakes or a stainless steel extension element. The expanding part of the anchoring sleeve is slotted.

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:

EAD 330196-01-0604 Plastic anchors made of virgin or non-virgin material for fixing of external thermal insulation composite systems with rendering

Utilization category: A, B, C, D, E

6. European Technical Assessment:

ETA-17/0592 edition of 2018-10-18

7. Technical Assessment Body:

1488

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-CPR-0545/Z**

9. Declared performance/s:

Essential Characteristics:

Technical Specification	Basic requirements according to CPR		Remarks:
ETA-17/0592	[1]	Mechanical resistance and stability	Declared values on the page 2
	[4]	Operational safety	Such criteria as those significant for [1]

Characteristic resistance to tension loads for single anchor

Base material	Use category	Bulk density [kg/dm ³]	Min. compressive strength β [N/mm ²]	R-TFIX-8M [kN]
Concrete C 12/15 according to EN 206-1	A			1,1
Concrete C 16/20 – C 50/60 according to EN 206-1	A			1,2
External wall panel of concrete C 16/20 – C50/60 according to EN 206-1		Rotary drilling		
	Hammer drilling	A		1,1
Solid clay bricks according to EN 771-1	B	$\geq 1,7$	20	1,2
Solid sand-lime bricks according to EN 771-2	B	$\geq 1,8$	30	1,2
Perforated sand lime brick SENDWIX 8DF-LD according to EN 771-2	C	$\geq 1,4$	21	1,1
Vertically perforated clay bricks POROTHERM 17,5 P+D according to ÖNORM B6124	C	$\geq 0,9$	15	0,5
Lightweight aggregate concrete hollow blocks LAC according to EN 1520	D	$\geq 1,2$	4	0,5
Autoclaved aerated concrete AAC 4 according to EN 771-4	E	$\geq 0,4$	4	1,0
Partial safety factor	γ_M	2,0		

Displacement of anchors R-TFIX-8M under tension loads

Base material	Tension load N_{sk} [kN]	Displacement $\Delta\delta_N$ [mm]
Concrete C 12/15 according to EN 206-1	0,37	0,60
Concrete C 16/20 – C 50/60 according to EN 206-1	0,40	0,60
External wall panel of concrete C 16/20 – C50/60 according to EN 206-1	Rotary drilling	0,33
	Hammer drilling	0,37
Solid clay bricks according to EN 771-1	0,40	0,57
Solid sand-lime bricks according to EN 771-2	0,40	0,64

Perforated sand lime brick SENDWIX 8DF-LD according to EN 771-2	0,37	0,54
Vertically perforated clay bricks POROTHERM 17,5 P+D according to ÖNORM B 6124	0,17	0,23
Lightweight aggregate concrete hollow blocks LAC according to EN 1520	0,17	0,33
Autoclaved aerated concrete AAC 4 according to EN 771-4	0,33	0,67

Plate stiffness

Anchor type	Diameter of the anchor plate [mm]	Load resistance of the anchor plate [kN]	Plate stiffness [kN/mm]
R-TFIX-8M	60	1,53	1,0

Point thermal transmittance

Anchor type	Insulation thickness h ₀ [mm]	Point thermal transmittance × [W/K]
R-TFIX-8M	100 - 260	0,001

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, 10.12.2018.

PEŁNOMOCNIK SYSTEMU
ZARZĄDZANIA JAKOŚCIĄ

Jagła
mgr Sławomir Jagła