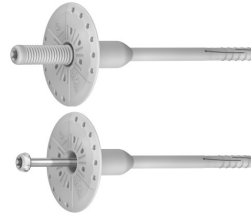


Declaration of Performance

DoP-17/0161-R-TFIX-8S

1. Unique identification code of the product-type:

R-TFIX-8S



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 screwed-in anchor R-TFIX-8S and R-TFIX-8SX consist of an anchor sleeve with an enlarged shaft and an insulation plate made of polypropylene and an expansion element, a special screw made of a galvanised steel with a special plastic cap out of glass fibre reinforced polyamide. The expanding part of the anchor 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-17/0161 edition of 2018-02-14

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-0544/Z**

9. Declared performance/s:

Essential Characteristics:

Technical Specification	Basic requirements according to CPR		Remarks:
ETA-17/0161	[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 f_c [N/mm ²]	R-TFIX-8S [kN]
Concrete C 12/15 according to EN 206-1	A			1,2
Concrete C 16/20 – C 50/60 according to EN 206-1	A			1,5
External wall panel of concrete C 16/20 – C50/60 according to EN 206-1	A			1,5
Solid clay bricks according to EN 771-1	B	≥1,7	20	1,5
Solid sand-lime bricks according to EN 771-2	B	≥1,8	30	1,5
Vertically perforated clay bricks POROTHERM 17,5 P+D according to ÖNORM B 6124	C	≥ 0,9	15	0,9
Lightweight aggregate concrete hollow blocks LAC according to EN 1520	D	≥ 1,2	4	0,9
Autoclaved aerated concrete AAC 4 according to EN 771-4	E	≥ 0,4	4	1,2
Partial safety factor	γ_M	2,0		

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

Base material	Tension load N_{sk} [kN]	Displacement $\Delta\delta_N$ [mm]
Concrete C 12/15 according to EN 206-1	0,5	0,80
Concrete C 16/20 – C 50/60 according to EN 206-1	0,5	0,80
External wall panel of concrete C 16/20 – C50/60 according to EN 206-1	0,5	0,80
Solid clay bricks according to EN 771-1	0,5	0,74
Solid sand-lime bricks according to EN 771-2	0,5	0,67
Vertically perforated clay bricks POROTHERM 17,5 P+D according to ÖNORM B 6124	0,3	0,63
Lightweight aggregate concrete hollow blocks LAC according to EN 1520	0,3	0,70
Autoclaved aerated concrete AAC 4 according to EN 771-4	0,4	0,79

Plate stiffness			
Anchor type	Diameter of the anchor plate [mm]	Load resistance of the anchor plate [kN]	Plate stiffness [kN/mm]
R-TFIX-8S	60	2,04	0,6
Point thermal transmittance			
Anchor type	Insulation thickness h _D [mm]	Point thermal transmittance x [W/K]	
R-TFIX-8S Surface assembly	60 – 420	0,002	
R-TFIX-8S Countersunk assembly	60 – 100	0,001	
R-TFIX-8S Countersunk assembly	120 – 420	0,002	

EN

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, 29.06.2018.

PEŁNOMOCNIK SYSTEMU
ZARZĄDZANIA JAKOŚCIĄ

Jagła
mgr Sławomir Jagła