

#### Declaration of Performance DoP-17/0161-R-TFIX-85

#### 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	Plastic anchor
to be applied in	Anchorages 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 consist of an anchor sleeve with enlarged shaft, an insulation plate made of polypropylene and special screw or overmolded screw made of galvanized steel or stainless steel as expansion element. The expanding part of the anchor sleeve is slotted.
3. Manufacturer:	

### Rawlplug S.A. ul. Kwidzyńska 6, 51-416 Wrocław, PL

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#### 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

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### 9. Declared performance/s:

Essential Characteristics:			
Technical Specification	Basi	c 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/dm₃]	Min. compressive strength ß [N/mm2]	R-TFIX-8S [kN]	
Concrete C 12/15 according to EN 206-1	А			1,2	
Concrete C 16/20 – C 50/60 according to EN 206-1	А			1,5	
of concrete C 16/20 – C50/60 according	А			1,5	
Solid clay bricks according to EN 771-1	В	≥1,7	20	1,5	
Solid sand-lime bricks according to EN 771-2	В	≥1,8	30	1,5	
POROTHERM 17,5 P+D	С	≥ 0,9	15	0,9	
blocks LAC	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	γм		2,0		

Displacement of anchors R-TFIX-8S under tension loads				
Base material	Tension load Nsk [kN]	Displacement Δδ <sub>Ν</sub> [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 ho [mm]		Poin	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		

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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 manufacturer:

Sławomir Jagła Proxy of the Quality Management System Wrocław, 29.06.2018.

