

**PRODUCT INFORMATION**

## Certificate

Rawplug code	Certificate		Approvals and certificate							OTHER
	VOC	PZH	EAD	Option 1	Seismic	ITS	Rebars	Electrical resistance	Fire report	Shelf life
R-KER II	A+	✓	✓	✓	✓	✓	✓	✓	✓	18

## Types of bonded anchor rods

Rawplug code	Diameter	Coating						
		ZP	HDG	ZF	UHS ZF	A4	HCR	
R-STUDS	M8 – M30	✓	✓	✓	✓	✓	✓	
ITS	M6/Ø10 – M16/Ø24	✓	✓	–	–	✓	✓	
REBAR	Ø8 – Ø32	Metal components – reinforcing bars; Class B or C; Characteristic yield strength $f_{yk}$ or $F_{0,2k}$ [N/mm <sup>2</sup> ] 400 to 600						
POST-INSTALLED REBAR	Ø8 – Ø40							

## Characteristic values for tension load

Rawplug code	Substrate	$t_{Rk,ucr}$ [N/mm <sup>2</sup> ]										Temperature Range [°C]
		6	8	10	12	16	20	22	24	30		
R-STUDS	Cracked	-	10	11	11	9,5	7,5	7	-	5	40/24	
		-	10	11	11	9,5	7,5	7	-	5	80/50	
	Non-cracked	-	5	6	6	5	4	4	-	3	120/80	
		-	16	15	15	13	10	-	10	8	40/24	
ITS	Cracked	-	16	15	15	13	10	-	10	8	80/50	
		-	8,5	8	8	7	5,5	-	5,5	4,5	120/80	
	Non-cracked	10	10	9,5	9	4	-	-	-	-	40/24	
		10	10	9,5	9	4	-	-	-	-	80/50	
REBAR	Cracked	5	6	5	5	2	-	-	-	-	120/80	
		11	14	11	11	8	-	-	-	-	40/24	
	Non-cracked	11	14	11	11	8	-	-	-	-	80/50	
		6	7	6	6	4	-	-	-	-	120/80	

## Ultimate bond resistance

Rawplug code	Rebar diameter [mm]	Ultimate bond resistance $F_{bd}^1$ [N/mm <sup>2</sup> ]									
		C12/16	C16/20	C20/25	C25/30	C30/37	C35/45	C40/50	C45/55	C50/60	
POST-INSTALLED REBAR	Ø8	1,6	2,0	2,3	2,7	3,0	3,4	3,7	4,0	4,3	
	Ø10	1,6	2,0	2,3	2,7	3,0	3,4	3,7	4,0	4,3	
	Ø12	1,6	2,0	2,3	2,7	3,0	3,4	3,7	4,0	4,0	
	Ø14	1,6	2,0	2,3	2,7	3,0	3,4	3,7	3,7	4,0	
	Ø16	1,6	2,0	2,3	2,7	3,0	3,4	3,7	3,7	3,7	
	Ø20	1,6	2,0	2,3	2,7	3,0	3,4	3,4	3,4	3,7	
	Ø25	1,6	2,0	2,3	2,7	3,0	3,0	3,0	3,4	3,4	
	Ø28	1,6	2,0	2,3	2,7	3,0	3,0	3,0	3,0	3,4	
	Ø32	1,6	2,0	2,3	2,7	2,7	3,0	3,0	3,0	3,0	
	Ø40	1,6	2,0	2,0	2,0	2,0	2,0	2,3	2,3	2,3	

**SUBSTRATE MATERIAL** Cracked concrete, non-cracked concrete


Thanks to the special formulation, resin fills all voids in the hole, while improved adhesion and even distribution of forces additionally ensure durable and reliable fixing.

**INSTALLATION GUIDE**

Fix it comfortably



Apply a new and innovative drilling method using our special dustless drill bit. Rawplug's hollow Dustless Drill bit makes every installation easier, cleaner and more durable.

drilling without additional hole cleaning with the hollow Dustless Drill bit  
 Traditional method – using blowpump and brush (4x, 4x, 4x)  
 Cleaning with compressed air (2x, 2x, 2x)

1. Drill a hole to the right diameter and depth.
2. Insert a cartridge into the gun and attach a mixing nozzle.
3. When using a new cartridge, discard some part of resin until you obtain uniform colour of mixture.
4. Fill the hole with resin up to 2/3 of its volume starting from its far end.
5. Once you have dosed the resin, immediately insert a rod into the hole in a twisting motion. Remove any excess of resin that has escaped the hole and leave it undisturbed until it cures.
6. Attach the fixture and tighten the nut to the required torque.

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# R-KER II

**STRENGTH AND SAFETY OF FIXING**

Hybrid bonded anchor



# HIGHLIGHTS

Trust & Innovation

[www.rawplug.co.uk](http://www.rawplug.co.uk)



## STRENGTH AND SAFETY OF FIXING

Wide range of application



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### Hybrid bonded anchor R-KER II

Efficiency and comfort of use, high technical parameters confirmed by recognised certificates and a wide range of applications with different rod types guarantee durable and secure anchoring. It is the needs of our clients that inspired us to develop the R-KER II.

## Durability and strength



Extensive certification: **ETA, C1, VOC, R240, Electric Resistivity**



Wide range of connectors with many sizes and anti-corrosive variants **ZP, HGD, ZF, UHS ZF, A2, A4, HCR**

**Comfortable work and better efficiency**  
Using in fixing Dustless Drill - you can save up to 40% of the time on resin applications



**Easy installation** thanks to a dedicated nozzle with scale on the mixer, providing accurate injection of resin



**High resistance** in a variety of corrosive environments (**C1-CS**)



**Three resin versions:**  
standard  
summer  
winter



**Dustless Drill** - accelerated installation time due to simplified procedure - just drill the hole and apply system thanks to the automatic extraction of the output

**Convenient working conditions - 3 options of hole preparation:**  
automatic cleaning using hollow drillbit, traditional method with brush, cleaning with compressed air



## EXTENSIVE CERTIFICATATION

The R-KER II has been designed for professionals, and in order to satisfy their needs, it was tested to confirm its top class parameters. The following certificates have been consequently obtained: ETA, C1 validating the use of the R-KER II anchor in seismic territories, and certificates verifying its fire resistance, electric conductivity and content of VOC (volatile organic compounds). This is what makes the R-KER II perfect for application in severe operating conditions.

## COMPLETE SYSTEM ENSURING SAFE FIXING

The innovative formula of the resin has made it possible to achieve some of the highest load capacity in the group of hybrid resins. R-KERII ensures the highest safety level of anchor fasteners thanks to improvement and acceleration of the hole preparation process. Using Dustless Drill with automatic suction drilling and cleaning the holes you do at the same time. Thanks to this, you achieve optimal preparation of the anchoring hole and save time needed to prepare the hole.

## EXTRAORDINARY STRENGTH

The special resin formulation allows achieve one of the best load capacity in relation to similar resins on the market.

## COMFORTABLE WORK

The R-KER II anchors can be applied in a hole without cleaning, by means of the Dustless Drill Bit – which it provides

- Drilling and cleaning holes at one time
- Optimal preparation of the anchoring hole
- Saves time needed to prepare the hole
- Eliminating the risk associated with exposure to dust, reducing harmful dust. What becomes a requirement on construction sites in an increasing number of countries (eg OSHA recommendation in the USA or HSE in Great Britain).

## ACCESSORIES

