

PRODUCT INFORMATION










Certificate

| Rawlplug 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

| Rawlplug 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 fyk or F0,2k [N/mm²] 400 to 600 | | | | | |
| POST-INSTALLED REBAR | Ø8 – Ø40 | | | | | | |

Characteristic values for tension load

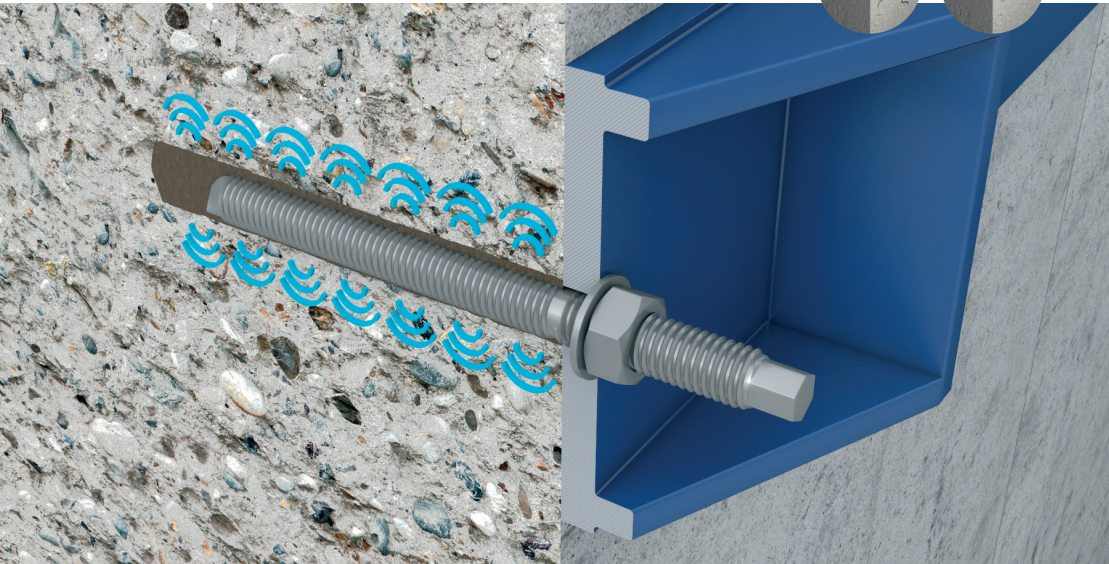
| Rawlplug code | | Substrate | t _{Rk,ucr} [N/mm²] | | | | | | | | | Temperature |
|---|---------|---|-----------------------------|-----|-----|----|-----|-----|----|-----|-----|-------------|
| | | | 6 | 8 | 10 | 12 | 16 | 20 | 22 | 24 | 30 | Range [°C] |
|  | R-STUDS |  | - | 10 | 11 | 11 | 9,5 | 7,5 | 7 | - | 5 | 40/24 |
| | | | - | 10 | 11 | 11 | 9,5 | 7,5 | 7 | - | 5 | 80/50 |
| | | | - | 5 | 6 | 6 | 5 | 4 | 4 | - | 3 | 120/80 |
| | |  | - | 16 | 15 | 15 | 13 | 10 | - | 10 | 8 | 40/24 |
| | | | - | 16 | 15 | 15 | 13 | 10 | - | 10 | 8 | 80/50 |
| | | | - | 8,5 | 8 | 8 | 7 | 5,5 | - | 5,5 | 4,5 | 120/80 |
|  | ITS |  | 10 | 10 | 9,5 | 9 | 4 | - | - | - | - | 40/24 |
| | | | 10 | 10 | 9,5 | 9 | 4 | - | - | - | - | 80/50 |
| | | | 5 | 6 | 5 | 5 | 2 | - | - | - | - | 120/80 |
| | |  | 11 | 14 | 11 | 11 | 8 | - | - | - | - | 40/24 |
| | | | 11 | 14 | 11 | 11 | 8 | - | - | - | - | 80/50 |
| | | | 6 | 7 | 6 | 6 | 4 | - | - | - | - | 120/80 |
| Rawlplug code | | Substrate | - | - | 10 | 12 | 14 | 16 | 20 | 25 | 32 | Range [°C] |
|  | REBAR |  | - | 9 | 10 | 10 | 8,5 | 7,5 | 6 | - | - | 40/24 |
| | | | - | 9 | 10 | 10 | 8,5 | 7,5 | 6 | - | - | 80/50 |
| | | | - | 5 | 5 | 5 | 4,5 | 4 | 3 | - | - | 120/80 |
| | |  | 13 | 14 | 14 | 13 | 13 | 10 | 9 | - | 7,5 | 40/24 |
| | | | 13 | 14 | 14 | 13 | 13 | 10 | 9 | - | 7,5 | 80/50 |
| | | | 7 | 7 | 7 | 7 | 7 | 5,5 | 5 | - | 4 | 120/80 |

Ultimate bond resistance

| Rawlplug code | Rebar diameter [mm] | Ultimate bond resistance F _{bd} ¹ [N/mm²] | | | | | | | | | |
|---|---------------------|--|--------|---------|---------|---------|---------|---------|--------|---------|--|
| | | C12/16 | C16/20 | C 20/25 | C 25/30 | C 30/37 | C 35/45 | C 40/50 | C45/55 | C 50/60 | |
|  | 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

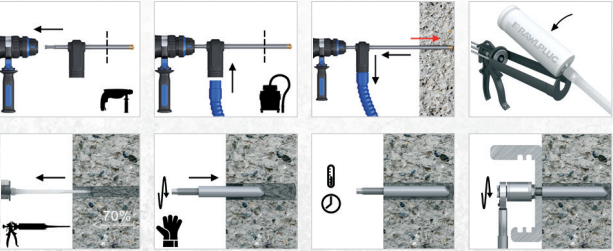
Cracked concrete, non-cracked concrete



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. Rawlplug'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.rawlplug.co.uk



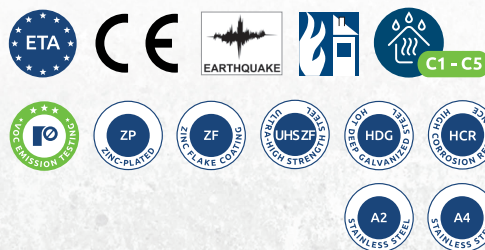
"STRENGTH AND SAFETY OF FIXING



Wide range
of application



www.rawlplug.co.uk



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**

**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**)



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

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

