

R-KER II for Copy Eco System

Reinforcement of suspension rod in large-panel construction systems



Product information

Features and benefits

- Suitable for repetitive use. Partly used product can be reused by fitting a new mixing nozzle
- Several embedment depths possible
- Can be installed in wet concrete

Applications

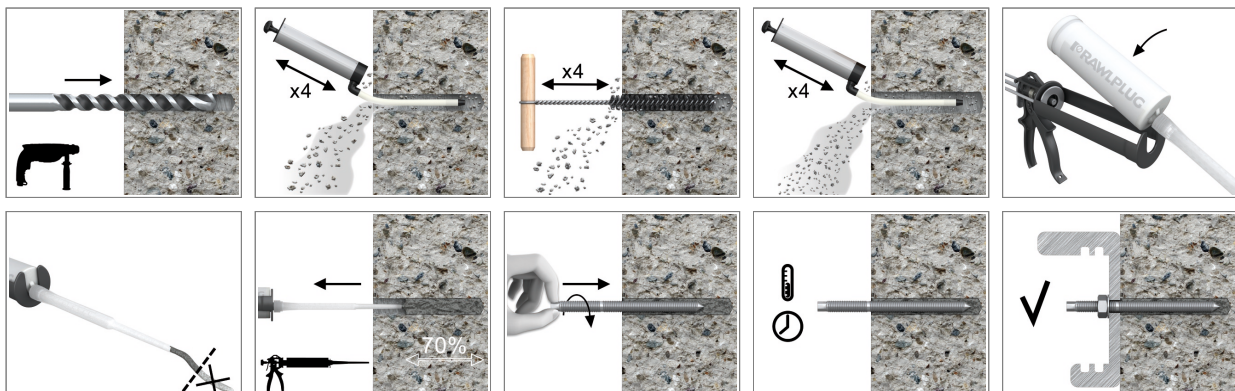
- Large panel reinforcing system - Copy Eco

Base materials

Approved for use in:

- Non-cracked concrete C20/25-C50/60
- Cracked concrete C20/25-C50/60

Installation guide



Product information

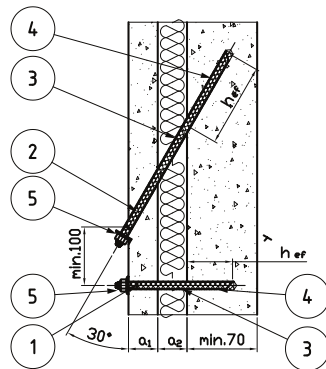
1. Drill hole to the required diameter and depth for stud size being used.
2. Clean the hole thoroughly with brush and hand pump at least four times before installation.
3. Insert cartridge into gun and attach nozzle.
4. Dispense to waste until even colour is obtained (min. 10 cm).
5. Insert the mixer nozzle to the bottom of the drill hole and inject resin, slowly withdrawing the nozzle as the hole is filled to 70% of its depth.
6. Immediately insert the stud, slowly and with slight twisting motion. Remove any excess resin around the hole before it sets and leave it undisturbed until the curing time elapses.
7. Attach fixture and tighten the nut to the required torque.

Product Code	Resin	Description / Resin Type	Volume
			[ml]
R-KER-II-300	R-KER-II	R-KER II Hybrid Resin	300
R-KER-II-300-S	R-KER-II-S	R-KER II Hybrid Resin for High Temperature (Summer) / Slow Cure Styrene Free Hybrid Resin	
R-KER-II-300-W	R-KER-II-W	R-KER II Hybrid Resin for Low Temperature (Winter) / Rapid Cure Styrene Free Hybrid Resin	
R-KER-II-300-SV	R-KER-II	R-KER II Hybrid Resin	
R-KER-II-345			
R-KER-II-400			
R-KER-II-400-S	R-KER-II-S	R-KER II Hybrid Resin for High Temperature (Summer) / Slow Cure Styrene Free Hybrid Resin	400
R-KER-II-400-W	R-KER-II-W	R-KER II Hybrid Resin for Low Temperature (Winter) / Rapid Cure Styrene Free Hybrid Resin	
R-CFS+KERII-600	R-CFS+KERII	R-KER II Hybrid Resin	
R-CFS+KERII-600-S		R-KER II Hybrid Resin for High Temperature (Summer) / Slow Cure Styrene Free Hybrid Resin	
R-CFS+KERII-600-W		R-KER II Hybrid Resin for High Temperature (Winter) / Fast Cure Styrene Free Hybrid Resin	

R-STUDS

Size	Product Code	Anchor		Fixture				
	Steel grade A2	Diameter	Length	Max. thickness t_{fix} for:		Hole diameter	Max. thickness t_{fix} for: R-STUDS	Max. thickness t_{fix} for: R-STUDS HYBRID
		d	L	$h_{nom, 6d}$	$h_{nom, 12d}$	d_f	$h_{nom, 12d}$	$h_{nom, 12d}$
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
M12	R-STUDS-12200-A2FL	12	200	113	41	14	41	41
	R-STUDS-12220-A2FL	12	220	133	61	14	61	61
	R-STUDS-12330-A2FL	12	330	243	171	14	171	171
	R-STUDS-12350-A2FL	12	350	263	191	14	191	191
	R-STUDS-12380-A2FL	12	380	293	221	14	221	221
	R-STUDS-12400-A2FL	12	400	313	241	14	241	241
	R-STUDS-12490-A2FL	12	490	403	331	14	331	331
	R-STUDS-12500-A2FL	12	500	413	341	14	341	341

Installation data



R-STUDS COPY ECO

Size			M12
Thread diameter	d	[mm]	12
Hole diameter in substrate	d ₀	[mm]	18
Min. substrate thickness	h _{min}	[mm]	50
Min. spacing	s _{min}	[mm]	350
Min. edge distance	c _{min}	[mm]	200

Minimum working and curing time

R-KER-II

Resin temperature	Concrete temperature	Curing time*	Working time
[°C]	[°C]	[min]	[min]
5	-5	24 h	40
5	0	3 h	30
5	5	90	15
10	10	60	8
15	15	60	5
20	20	45	2.5
25	25	45	2
25	30	45	2
25	35	30	1.5
25	40	30	1.5

*For wet concrete the curing time must be doubled

R-KER-II S

Resin temperature	Concrete temperature	Curing time*	Working time
[°C]	[°C]	[min]	[min]
5	5	12 h	40
10	10	8 h	20
15	15	6 h	15
20	20	4 h	10
25	25	3 h	9.5
25	30	2 h	7
25	35	2 h	6.5
25	40	1.5 h	6.5

*For wet concrete the curing time must be doubled

Installation data

R-KER-II W

Resin temperature	Concrete temperature	Curing time*	Working time
[°C]	[°C]	[min]	[min]
5	0	2 h	14
5	5	60	9
10	10	45	5.5
15	15	30	3
20	20	15	2
25	25	10	1.5
25	30	10	1.5
25	35	5	1
25	40	5	1

*For wet concrete the curing time must be doubled

Basic performance data

[English]:
Grubość

Product commercial data

Product Code	Volume [ml]	Quantity [pcs]			Weight [kg]			Bar Codes
		Box	Outer	Pallet	Box	Outer	Pallet	
R-KER-II-300	300	10	10	840	5.9	5.9	525.6	5906675293738
R-KER-II-300-S	300	10	10	840	5.9	5.9	525.6	5906675432045
R-KER-II-300-W	300	10	10	840	5.9	5.9	525.6	5906675432038
R-KER-II-300-SV	300	10	10	840	5.9	5.9	525.6	5906675439310
R-KER-II-345	345	10	10	840	7.6	7.6	668.4	5906675395203
R-KER-II-400	400	10	10	560	8.4	8.4	498.9	5906675392103
R-KER-II-400-S	400	10	10	560	8.2	8.2	489.2	5906675432076
R-KER-II-400-W	400	10	10	560	8.2	8.2	489.2	5906675432069
R-CFS+KERII-600	600	1	1	40	10.0	10.0	430.0	5906675464817
R-CFS+KERII-600-S	600	1	1	16	10.0	10.0	190.0	5906675464824
R-CFS+KERII-600-W	600	1	1	40	10.0	10.0	430.0	5906675478050