UNIVERSAL

R-KEM II

POLYESTER ADHESIVE ANCHOR WITHOUT STYRENE FOR MASONRY AND HOLLOW SUBSTRATES

Polyester bonded anchor without styrene, recommended for medium loads, suitable for use in most construction substrates

FEATURES AND BENEFITS

- The most convenient bonded anchor for general pupose use.
- Easy dosage thanks to patented self-opening system and use of manual or electric gun.
- Styrene free for use indoors or outdoors (low odour).
- Product with wide spectrum of use in the medium load capacity area.
- Available in a winter version with faster curing time. It can be used from -20°C.
- Suitable for multiple use. Partly used product can be reused after fitting new nozzle
- Ideal for applications where mechanical anchors are not suitable.
- Three colors - standard, stone & gray.

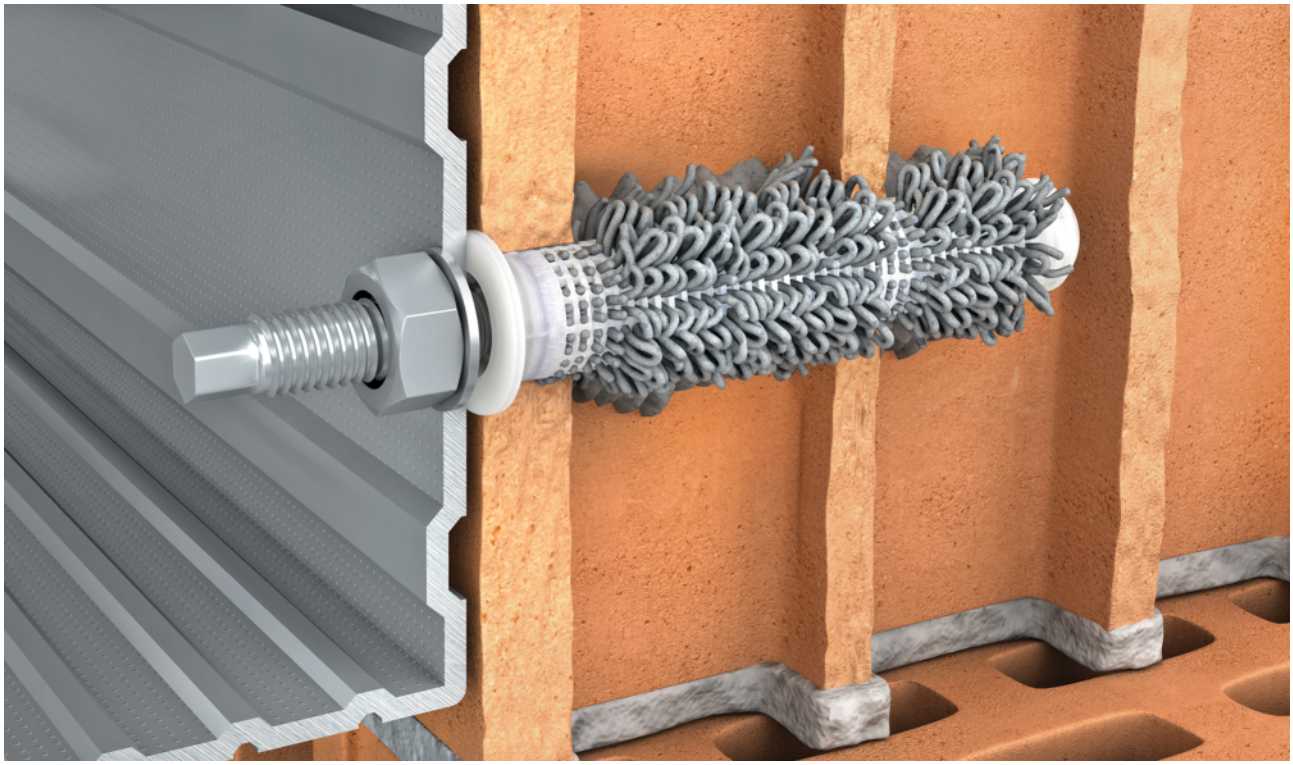
SUBSTRATES

- Solid brick
- Solid sand-lime brick
- Hollow brick
- Hollow sand-lime brick
- Hollow lightweight concrete block (D)



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APPLICATIONS

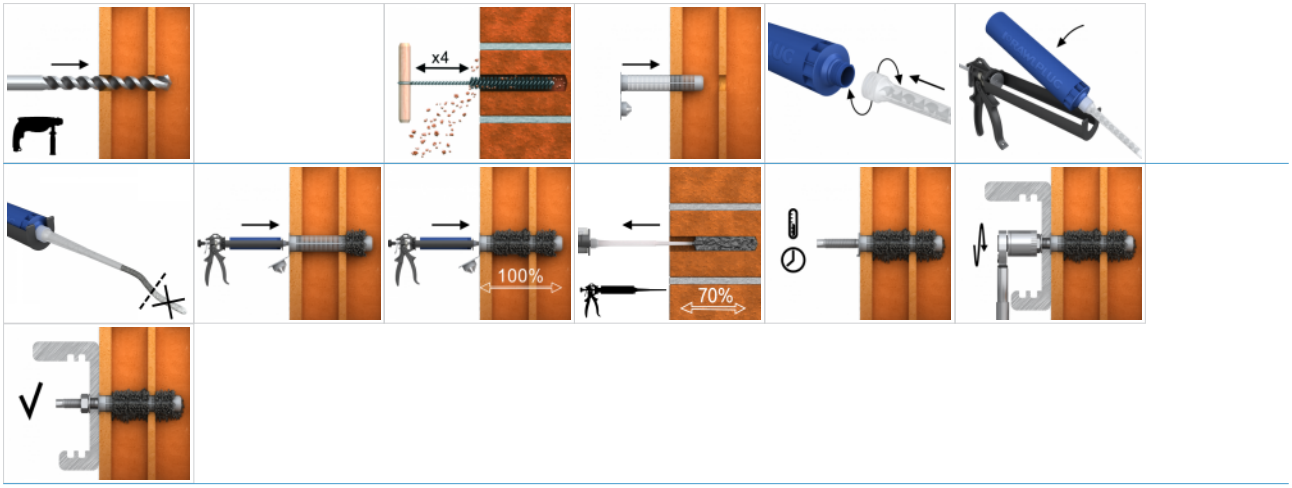
- Blinds and awnings
- Brackets
- Gates
- Masonry structures
- Sanitary and gas installations
- Steel structures
- Ventilated facades





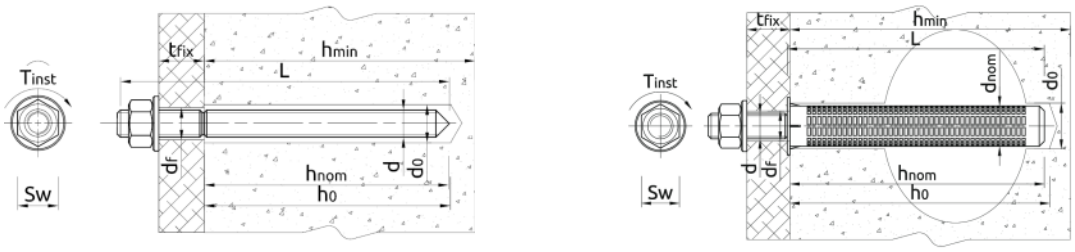
Błonie, Poland
Błonie Sports Center

INSTALLATION GUIDE



1. Drill a hole of required diameter and depth.
2. Solid substrates: clean the drill hole thoroughly with brush and hand pump at least four times before installation.
3. If required, insert the mesh sleeve into position.
4. Insert cartridge into gun and attach nozzle.
5. When starting dispensing from a new package, discard a portion of the resin (approximately 10 cm) to ensure thorough mixing of the components.
6. For solid masonry substrates, fill 70% of the hole depth with resin, starting from the bottom of the hole. For hollow masonry substrates, fill 100% of the hole depth with resin using a mesh sleeve, starting from the bottom of the hole.
7. Immediately insert the rebar, 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.
8. Leave the fixing undisturbed until the curing time elapses.
9. Insert bolt through fixture and tighten to the recommended torque.

INSTALLATION DATA



Installation data - Solid masonry (without mesh sleeve)

Size			M8	M10	M12	M16
Thread diameter	d	[mm]	8	10	12	16
Hole diameter in substrate	d_0	[mm]	10	12	14	18
Hole diameter in fixture	d_f	[mm]	9	12	14	18
Max. installation torque - solid masonry	T_{inst}	[Nm]	5	8	10	15
Max. installation torque - aerated concrete	T_{inst}	[Nm]	3	4	6	10
Min. installation depth	h_{nom}	[mm]	80	85	95	105
Min. hole depth in substrate	h_0	[mm]	85	90	100	110
Min. edge distance	c_{min}	[mm]	50	50	50	54
Min. spacing	s_{min}	[mm]	50	50	50	54

Installation data - Hollow or perforated masonry blocks (with mesh sleeve)

Size			M8	M10	M10	M12	M12	M16
Thread diameter	d	[mm]	8	10	10	12	12	16
Hole diameter in substrate	d_0	[mm]	12	16	16	16	16	20
Hole diameter in fixture	d_f	[mm]	9	12	12	14	14	18
Max. installation torque	T_{inst}	[Nm]	3	4	4	6	6	10
Min. installation depth	h_{nom}	[mm]	50	85	130	85	130	85
Size of sleeve	d x L	[mm]	12 x 50	16 x 85	16 x 130	16 x 85	16 x 130	20 x 85
Min. hole depth in substrate	h_0	[mm]	55	90	135	90	135	90
Min. edge distance	c_{min}	[mm]	100	100	100	100	100	120
Min. spacing	s_{min}	[mm]	100	100	100	100	100	120

Processing and curing time														
R-KEMII (standard version)														
Mortar temperature	-	[˚C]	5	5	5	5	5	5	10	15	20	25	25	25
Substrate (concrete) temperature	-	[˚C]	-20	-15	-10	-5	0	5	10	15	20	30	35	40
Max. processing time	-	[min]	-	-	-	70 (1h10-min)	45	25	15	9	5	2	-	-
Min. curing time [1]	-	[min]	-	-	-	480 (8h)	240 (4h)	120 (2h)	90 (1,5h)	60 (1h)	45	30	-	-
R-KEMII-S (summer version)														
Mortar temperature	-	[˚C]	5	5	5	5	5	5	10	15	20	25	25	25
Substrate (concrete) temperature	-	[˚C]	-20	-15	-10	-5	0	5	10	15	20	30	35	40
Max. processing time	-	[min]	-	-	-	180 (3h)	120 (2h)	60 (1h)	45	25	15	7	6	5
Min. curing time [1]	-	[min]	-	-	-	1440 (24h)	1080 (18h)	720 (12h)	480 (8h)	360 (6h)	240 (4h)	90 (1,5h)	60 (1h)	45
R-KEMII-W (winter version)														
Mortar temperature	-	[˚C]	5	5	5	5	5	5	10	15	20	25	25	25
Substrate (concrete) temperature	-	[˚C]	-20	-15	-10	-5	0	5	10	15	20	30	35	40
Max. processing time	-	[min]	45	30	20	11	7	5	2	1,5	1	-	-	-
Min. curing time [1]	-	[min]	1440 (24h)	1080 (18h)	480 (8h)	300 (5h)	120 (2h)	60 (1h)	45	30	15	-	-	-

Times are provided for resin temperatures (min = 5˚C; max = 25˚C) equal or the closest to base material temperature.

[1] For wet condition and flooded holes, the curing time must be doubled.

MECHANICAL PROPERTIES

Size			M8	M10	M12	M16
R-STUDS METRIC THREADED RODS, GRADE 5.8						
Nominal ultimate tensile strength - tension	f_{uk}	[N/mm²]	500	500	500	500
Nominal yield strength	f_{yk}	[N/mm²]	400	400	400	400
Cross sectional area	A_s	[mm²]	36,6	58	84,3	156,7
Elastic section modulus	W_{el}	[mm³]	31,2	62,3	109,1	276,6
Characteristic bending resistance	$M^0_{Rk,s}$	[Nm]	19	37	65	166
R-STUDS METRIC THREADED RODS, GRADE 8.8						
Nominal ultimate tensile strength - tension	f_{uk}	[N/mm²]	800	800	800	800
Nominal yield strength	f_{yk}	[N/mm²]	640	640	640	640
Cross sectional area	A_s	[mm²]	36,6	58	84,3	156,7
Elastic section modulus	W_{el}	[mm³]	31,2	62,3	109,1	276,6
Characteristic bending resistance	$M^0_{Rk,s}$	[Nm]	30	60	105	266
R-STUDS METRIC THREADED RODS, GRADE A4-70						
Nominal ultimate tensile strength - tension	f_{uk}	[N/mm²]	700	700	700	700
Nominal yield strength	f_{yk}	[N/mm²]	450	450	450	450
Cross sectional area	A_s	[mm²]	36,6	58	84,3	156,7
Elastic section modulus	W_{el}	[mm³]	31,2	62,3	109,1	276,6
Characteristic bending resistance	$M^0_{Rk,s}$	[Nm]	26	52	92	233

BASIC PERFORMANCE DATA

Performance data for single anchor without influence of edge distance and spacing

Anchorage in solid masonry

Size			M8	M10	M12	M16
Solid masonry substrates						
Effective embedment depth	h_{ef}	[mm]	80	85	95	105
MEAN ULTIMATE RESISTANCE						
TENSION LOAD						
Solid clay brick Mz, 2DF min. 20MPa	$N_{Ru,m}$	[kN]	8,8	10,9	11,3	11,5

Size			M8	M10	M12	M16
Autoclaved aerated concrete AAC7 min. 6MPa	$N_{Ru,m}$	[kN]	2,7	3,2	4,1	4,7
Solid silicate brick, KS NF 20/2.0 min 20MPa	$N_{Ru,m}$	[kN]	7,5	8	8,3	8,5
SHEAR LOAD						
Solid clay brick Mz, 2DF min. 20MPa	$V_{Ru,m}$	[kN]	5,8	8,4	11,6	11,5
Autoclaved aerated concrete AAC7 min. 6MPa	$V_{Ru,m}$	[kN]	2,4	3,4	4,4	4,5
Solid silicate brick, KS NF 20/2.0 min 20MPa	$V_{Ru,m}$	[kN]	5,9	8,1	7,9	8,2
CHARACTERISTIC RESISTANCE						
TENSION LOAD						
Solid clay brick Mz, 2DF min. 20MPa	$N_{Ru,m}$	[kN]	6	7	7	7
Autoclaved aerated concrete AAC7 min. 6MPa	$N_{Ru,m}$	[kN]	1,5	1,5	2	2,5
Solid silicate brick, KS NF 20/2.0 min 20MPa	$N_{Ru,m}$	[kN]	5	5	5	5
SHEAR LOAD						
Solid clay brick Mz, 2DF min. 20MPa	$V_{Ru,m}$	[kN]	3,5	5	7	7
Autoclaved aerated concrete AAC7 min. 6MPa	$V_{Ru,m}$	[kN]	1,5	1,5	2	2,5
Solid silicate brick, KS NF 20/2.0 min 20MPa	$V_{Ru,m}$	[kN]	3,5	5	5	5
DESIGN RESISTANCE						
TENSION LOAD						
Solid clay brick Mz, 2DF min. 20MPa	$N_{Ru,m}$	[kN]	2,4	2,8	2,8	2,8
Autoclaved aerated concrete AAC7 min. 6MPa	$N_{Ru,m}$	[kN]	0,8	0,8	1	1,3
Solid silicate brick, KS NF 20/2.0 min 20MPa	$N_{Ru,m}$	[kN]	2	2	2	2
SHEAR LOAD						
Solid clay brick Mz, 2DF min. 20MPa	$V_{Ru,m}$	[kN]	1,4	2	2,8	2,8
Autoclaved aerated concrete AAC7 min. 6MPa	$V_{Ru,m}$	[kN]	0,8	0,8	1	1,3
Solid silicate brick, KS NF 20/2.0 min 20MPa	$V_{Ru,m}$	[kN]	1,4	2	2	2
RECOMMENDED LOAD						
TENSION LOAD						
Solid clay brick Mz, 2DF min. 20MPa	$N_{Ru,m}$	[kN]	1,7	2	2	2
Autoclaved aerated concrete AAC7 min. 6MPa	$N_{Ru,m}$	[kN]	0,5	0,5	0,7	0,9
Solid silicate brick, KS NF 20/2.0 min 20MPa	$N_{Ru,m}$	[kN]	1,4	1,4	1,4	1,4
SHEAR LOAD						
Solid clay brick Mz, 2DF min. 20MPa	$V_{Ru,m}$	[kN]	1	1,4	2	2
Autoclaved aerated concrete AAC7 min. 6MPa	$V_{Ru,m}$	[kN]	0,5	0,5	0,7	0,9
Solid silicate brick, KS NF 20/2.0 min 20MPa	$V_{Ru,m}$	[kN]	1	1,4	1,4	1,4

Size			M8	M10	M10	M12	M12	M16
Perforated masonry substrates								
Embedment depth	h_{ef}	[mm]	50	85	130	85	130	85
Size of sleeve	d x L	[mm]	12 x 50	16 x 85	16 x 130	16 x 85	16 x 130	20 x 85
MEAN ULTIMATE RESISTANCE								
TENSION LOAD								
Hollow silicate brick KS DF 12/1.4 min. 12MPa	$N_{Ru,m}$	[kN]	3,4	3,7	5,1	4,2	4,5	4,2
Perforated ceramic blocks Hlz 12/0.9 min. 12MPa	$N_{Ru,m}$	[kN]	3,3	4,5	5	5,2	5,8	5,8
Perforated ceramic blocks Porotherm 25 P+W min. 12MPa	$N_{Ru,m}$	[kN]	2	3,3	3,7	4,9	4,9	3,5
Perforated ceramic blocks Leier Termopor 38 P+W min. 10MPa	$N_{Ru,m}$	[kN]	2,1	3,2	3,8	3,7	4,7	4,3
Perforated ceramic blocks Mega-Max 250/238 P+W min. 15MPa	$N_{Ru,m}$	[kN]	2,9	4,7	5	5,3	5,8	5,7
Perforated ceramic blocks LS Tableau Mono Rect 6/0,93 min. 6MPa[5)]	$N_{Ru,m}$	[kN]	1,2	2,7	2,7	2,8	2,8	2
Perforated ceramic blocks LS Tableau Mono Rect 6/0,75 min. 6MPa[5)]	$N_{Ru,m}$	[kN]	1,6	2,4	2,5	2,6	2,7	2,1
Perforated ceramic blocks LS Monomur 30 min. 6MPa[2)]	$N_{Ru,m}$	[kN]	1,3	2	2,1	2,1	2,1	2,1
Perforated ceramic blocks SM BGV Thermo 6/0,659 6MPa[3)]	$N_{Ru,m}$	[kN]	1,5	2,2	2,2	2,2	2,2	2,3
Perforated ceramic blocks SM BGV Thermo 6/0,755 6MPa[3)]	$N_{Ru,m}$	[kN]	1,6	1,5	1,5	1,9	2,1	1,8
Hollow lightweight concrete brick Hbl min. 2MPa	$N_{Ru,m}$	[kN]	1,7	3,5	3,3	3,9	4,8	5,3
SHEAR LOAD								
Hollow silicate brick KS DF 12/1.4 min. 12MPa	$V_{Ru,m}$	[kN]	3,4	3,7	5,1	4,2	4,5	4,2
Perforated ceramic blocks Hlz 12/0.9 min. 12MPa	$V_{Ru,m}$	[kN]	3,3	4,5	5	5,2	5,8	5,8
Perforated ceramic blocks Porotherm 25 P+W min. 12MPa	$V_{Ru,m}$	[kN]	2	3,3	3,7	4,9	4,9	3,5
Perforated ceramic blocks Leier Termopor 38 P+W min. 10MPa	$V_{Ru,m}$	[kN]	2,1	3,2	3,8	3,7	4,7	4,3
Perforated ceramic blocks Mega-Max 250/238 P+W min. 15MPa	$V_{Ru,m}$	[kN]	2,9	4,7	5	5,3	5,8	5,7
Perforated ceramic blocks LS Tableau Mono Rect 6/0,93 min. 6MPa[5)]	$V_{Ru,m}$	[kN]	1,2	2,7	2,7	2,8	2,8	2
Perforated ceramic blocks LS Tableau Mono Rect 6/0,75 min. 6MPa[5)]	$V_{Ru,m}$	[kN]	1,6	2,4	2,5	2,6	2,7	2,1
Perforated ceramic blocks LS Monomur 30 min. 6MPa[2)]	$V_{Ru,m}$	[kN]	1,3	2	2,1	2,1	2,1	2,1
Perforated ceramic blocks SM BGV Thermo 6/0,659 6MPa[3)]	$V_{Ru,m}$	[kN]	1,5	2,2	2,2	2,2	2,2	2,3

Size			M8	M10	M10	M12	M12	M16
Perforated ceramic blocks SM BGV Thermo 6/0,755 6MPa[3]	$V_{Ru,m}$	[kN]	1,6	1,5	1,5	1,9	2,1	1,8
Hollow lightweight concrete brick Hbl min. 2MPa	$V_{Ru,m}$	[kN]	1,7	3,5	3,3	3,9	4,8	5,3
CHARACTERISTIC RESISTANCE								
TENSION LOAD								
Hollow silicate brick KS DF 12/1.4 min. 12MPa	N_{Rk}	[kN]	2	2,5	3,5	2,5	3	2,5
Perforated ceramic blocks Hlz 12/0.9 min. 12MPa	N_{Rk}	[kN]	2	3	3	3,5	3,5	4
Perforated ceramic blocks Porotherm 25 P+W min. 12MPa	N_{Rk}	[kN]	1,2	2	2,5	3	3	2
Perforated ceramic blocks Leier Termopor 38 P+W min. 10MPa	N_{Rk}	[kN]	1,2	2	2,5	3	3	2
Perforated ceramic blocks Mega-Max 250/238 P+W min. 15MPa	N_{Rk}	[kN]	1,5	3	3	3,5	3,5	3,5
Perforated ceramic blocks LS Tableau Mono Rect 6/0,93 min. 6MPa[5]	N_{Rk}	[kN]	0,8	1,5	1,5	1,5	1,5	1,2
Perforated ceramic blocks LS Tableau Mono Rect 6/0,75 min. 6MPa[5]	N_{Rk}	[kN]	1	1,5	1,5	1,5	1,5	1,2
Perforated ceramic blocks LS Monomur 30 min. 6MPa[2]	N_{Rk}	[kN]	0,75	1,2	1,2	1,2	1,2	1,2
Perforated ceramic blocks SM BGV Thermo 6/0,659 6MPa[3]	N_{Rk}	[kN]	0,9	1,5	1,2	1,5	1,5	1,5
Perforated ceramic blocks SM BGV Thermo 6/0,755 6MPa[3]	N_{Rk}	[kN]	1	1	1	1,2	1,2	1,2
Hollow lightweight concrete brick Hbl min. 2MPa	N_{Rk}	[kN]	1	2	2	2,5	3	3,5
SHEAR LOAD								
Hollow silicate brick KS DF 12/1.4 min. 12MPa	V_{Rk}	[kN]	2	2,5	2,5	2,5	2,5	2,5
Perforated ceramic blocks Hlz 12/0.9 min. 12MPa	V_{Rk}	[kN]	2	2,5	2,5	2,5	2,5	2,5
Perforated ceramic blocks Porotherm 25 P+W min. 12MPa	V_{Rk}	[kN]	1,2	2	2,5	2,5	2,5	2
Perforated ceramic blocks Leier Termopor 38 P+W min. 10MPa	V_{Rk}	[kN]	1,2	2	2,5	2,5	2,5	2
Perforated ceramic blocks Mega-Max 250/238 P+W min. 15MPa	V_{Rk}	[kN]	1,5	2,5	2,5	2,5	2,5	2,5
Perforated ceramic blocks LS Tableau Mono Rect 6/0,93 min. 6MPa[5]	V_{Rk}	[kN]	0,8	1,5	1,5	1,5	1,5	1,2
Perforated ceramic blocks LS Tableau Mono Rect 6/0,75 min. 6MPa[5]	V_{Rk}	[kN]	0,9	1,5	1,5	1,5	1,5	1,2
Perforated ceramic blocks LS Monomur 30 min. 6MPa[2]	V_{Rk}	[kN]	0,75	1,2	1,2	1,2	1,2	1,2
Perforated ceramic blocks SM BGV Thermo 6/0,659 6MPa[3]	V_{Rk}	[kN]	0,9	1,5	1,2	1,5	1,5	1,5
Perforated ceramic blocks SM BGV Thermo 6/0,755 6MPa[3]	V_{Rk}	[kN]	0,9	0,9	0,9	1,2	1,2	1,2
Hollow lightweight concrete brick Hbl min. 2MPa	V_{Rk}	[kN]	1	2	2	2,5	2,5	2,5

[1] Outer web thickness ≥17mm

[2] Outer web thickness ≥9mm

[3] Outer web thickness ≥10mm

[4] Outer web thickness ≥25mm

[5] N_{Rk} value applies only for outer web thickness min. 9mm otherwise the characteristic resistance shall be determined by job site pull-out tests

[6] Acc. to DTA 16/15-692

[7] Acc. to DTA 16/14-697

Size			M8	M10	M10	M12	M12	M16
Perforated masonry substrates								
Embedment depth	h_{ef}	[mm]	50	85	130	85	130	85
Size of sleeve	d x L	[mm]	12 x 50	16 x 85	16 x 130	16 x 85	16 x 130	20 x 85
DESIGN RESISTANCE								
TENSION LOAD								
Hollow silicate brick KS DF 12/1.4 min. 12MPa	N_{Rd}	[kN]	0,8	1	1,4	1	1,2	1
Perforated ceramic blocks Hlz 12/0.9 min. 12MPa	N_{Rd}	[kN]	0,8	1,2	1,2	1,4	1,4	1,6
Perforated ceramic blocks Porotherm 25 P+W min. 12MPa	N_{Rd}	[kN]	0,5	0,8	1	1,2	1,2	0,8
Perforated ceramic blocks Leier Termopor 38 P+W min. 10MPa	N_{Rd}	[kN]	0,5	0,8	1	1,2	1,2	0,8
Perforated ceramic blocks Mega-Max 250/238 P+W min. 15MPa	N_{Rd}	[kN]	0,6	1,2	1,2	1,4	1,4	1,4
Perforated ceramic blocks LS Tableau Mono Rect 6/0,93 min. 6MPa[5]	N_{Rd}	[kN]	0,3	0,6	0,6	0,6	0,6	0,5
Perforated ceramic blocks LS Tableau Mono Rect 6/0,75 min. 6MPa[5]	N_{Rd}	[kN]	0,4	0,6	0,6	0,6	0,6	0,5
Perforated ceramic blocks LS Monomur 30 min. 6MPa[2]	N_{Rd}	[kN]	0,3	0,5	0,5	0,5	0,5	0,5
Perforated ceramic blocks SM BGV Thermo 6/0,659 6MPa[3]	N_{Rd}	[kN]	0,4	0,6	0,5	0,6	0,6	0,6
Perforated ceramic blocks SM BGV Thermo 6/0,755 6MPa[3]	N_{Rd}	[kN]	0,4	0,4	0,4	0,5	0,5	0,5
Hollow lightweight concrete brick Hbl min. 2MPa	N_{Rd}	[kN]	0,4	0,8	0,8	1	1,2	1,4
SHEAR LOAD								
Hollow silicate brick KS DF 12/1.4 min. 12MPa	V_{Rd}	[kN]	0,8	1	1	1	1	1

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Size			M8	M10	M10	M12	M12	M16
Perforated ceramic blocks Hlz 12/0.9 min. 12MPa	V_{Rd}	[kN]	0,8	1	1	1	1	1
Perforated ceramic blocks Porotherm 25 P+W min. 12MPa	V_{Rd}	[kN]	0,5	0,8	1	1	1	0,8
Perforated ceramic blocks Leier Termopor 38 P+W min. 10MPa	V_{Rd}	[kN]	0,5	0,8	1	1	1	0,8
Perforated ceramic blocks Mega-Max 250/238 P+W min. 15MPa	V_{Rd}	[kN]	0,6	1	1	1	1	1
Perforated ceramic blocks LS Tableau Mono Rect 6/0,93 min. 6MPa[5]	V_{Rd}	[kN]	0,3	0,6	0,6	0,6	0,6	0,5
Perforated ceramic blocks LS Tableau Mono Rect 6/0,75 min. 6MPa[5]	V_{Rd}	[kN]	0,4	0,6	0,6	0,6	0,6	0,5
Perforated ceramic blocks LS Monomur 30 min. 6MPa[2]	V_{Rd}	[kN]	0,3	0,5	0,5	0,5	0,5	0,5
Perforated ceramic blocks SM BGV Thermo 6/0,659 6MPa[3]	V_{Rd}	[kN]	0,4	0,6	0,5	0,6	0,6	0,6
Perforated ceramic blocks SM BGV Thermo 6/0,755 6MPa[3]	V_{Rd}	[kN]	0,4	0,4	0,4	0,5	0,5	0,5
Hollow lightweight concrete brick Hbl min. 2MPa	V_{Rd}	[kN]	0,4	0,8	0,8	1	1	1
RECOMMENDED LOAD								
TENSION LOAD								
Hollow silicate brick KS DF 12/1.4 min. 12MPa	N_{rec}	[kN]	0,6	0,7	1	0,7	0,9	0,7
Perforated ceramic blocks Hlz 12/0.9 min. 12MPa	N_{rec}	[kN]	0,6	0,9	0,9	1	1	1,1
Perforated ceramic blocks Porotherm 25 P+W min. 12MPa	N_{rec}	[kN]	0,3	0,6	0,7	0,9	0,9	0,6
Perforated ceramic blocks Leier Termopor 38 P+W min. 10MPa	N_{rec}	[kN]	0,3	0,6	0,7	0,9	0,9	0,6
Perforated ceramic blocks Mega-Max 250/238 P+W min. 15MPa	N_{rec}	[kN]	0,4	0,9	0,9	1	1	1
Perforated ceramic blocks LS Tableau Mono Rect 6/0,93 min. 6MPa[5]	N_{rec}	[kN]	0,2	0,4	0,4	0,4	0,4	0,3
Perforated ceramic blocks LS Tableau Mono Rect 6/0,75 min. 6MPa[5]	N_{rec}	[kN]	0,3	0,4	0,4	0,4	0,4	0,3
Perforated ceramic blocks LS Monomur 30 min. 6MPa[2]	N_{rec}	[kN]	0,2	0,3	0,3	0,3	0,3	0,3
Perforated ceramic blocks SM BGV Thermo 6/0,659 6MPa[3]	N_{rec}	[kN]	0,3	0,4	0,3	0,4	0,4	0,4
Perforated ceramic blocks SM BGV Thermo 6/0,755 6MPa[3]	N_{rec}	[kN]	0,3	0,3	0,3	0,3	0,3	0,3
Hollow lightweight concrete brick Hbl min. 2MPa	N_{rec}	[kN]	0,3	0,6	0,6	0,7	0,9	1
SHEAR LOAD								
Hollow silicate brick KS DF 12/1.4 min. 12MPa	V_{rec}	[kN]	0,6	0,7	0,7	0,7	0,7	0,7
Perforated ceramic blocks Hlz 12/0.9 min. 12MPa	V_{rec}	[kN]	0,6	0,7	0,7	0,7	0,7	0,7
Perforated ceramic blocks Porotherm 25 P+W min. 12MPa	V_{rec}	[kN]	0,3	0,6	0,7	0,7	0,7	0,6
Perforated ceramic blocks Leier Termopor 38 P+W min. 10MPa	V_{rec}	[kN]	0,3	0,6	0,7	0,7	0,7	0,6
Perforated ceramic blocks Mega-Max 250/238 P+W min. 15MPa	V_{rec}	[kN]	0,4	0,7	0,7	0,7	0,7	0,7
Perforated ceramic blocks LS Tableau Mono Rect 6/0,93 min. 6MPa[5]	V_{rec}	[kN]	0,2	0,4	0,4	0,4	0,4	0,3
Perforated ceramic blocks LS Tableau Mono Rect 6/0,75 min. 6MPa[5]	V_{rec}	[kN]	0,3	0,4	0,4	0,4	0,4	0,3
Perforated ceramic blocks LS Monomur 30 min. 6MPa[2]	V_{rec}	[kN]	0,2	0,3	0,3	0,3	0,3	0,3
Perforated ceramic blocks SM BGV Thermo 6/0,659 6MPa[3]	V_{rec}	[kN]	0,3	0,4	0,3	0,4	0,4	0,4
Perforated ceramic blocks SM BGV Thermo 6/0,755 6MPa[3]	V_{rec}	[kN]	0,3	0,3	0,3	0,3	0,3	0,3
Hollow lightweight concrete brick Hbl min. 2MPa	V_{rec}	[kN]	0,3	0,6	0,6	0,7	0,7	0,7

[1] Outer web thickness ≥17mm

[2] Outer web thickness ≥9mm

[3] Outer web thickness ≥10mm

[4] Outer web thickness ≥25mm

[5] N_{Rk} value applies only for outer web thickness min. 9mm otherwise the characteristic resistance shall be determined by job site pull-out tests

[6] Acc. to DTA 16/15-692

[7] Acc. to DTA 16/14-697

LOGISTICAL DATA

SKU	Base-sales unit	Unit pack	Bulk pack	Pallet	Single Package - Gross Weight	Bulk Package - Gross Weight	Palette - Gross Weight	Barcode
R-CFS+RM50600	pack	1.0	1.0	40.0	0.0	0.0	0.0	5906675528120
R-CFS+RM50600-W	pack	1.0	1.0	40.0	0.0	0.0	0.0	5906675554150
R-KEM-II-175	pcs.	10.0	10.0	840.0	3.7	3.7	307.9	5906675050249
R-KEM-II-175-PL/H	pcs.	10.0	10.0	840.0	3.7	3.7	306.8	5906675486468
R-KEM-II-300	pcs.	10.0	10.0	840.0	5.8	5.8	488.5	5906675050256
R-KEM-II-300-ES	pcs.	10.0	10.0	720.0	5.6	5.6	404.8	5906675459103
R-KEM-II-300-PL/H	pcs.	10.0	10.0	840.0	5.6	5.6	471.6	5906675478784

LOGISTICAL DATA

SKU	Base-sales unit	Unit pack	Bulk pack	Pallet	Single Package - Gross Weight	Bulk Package - Gross Weight	Palette - Gross Weight	Barcode
R-KEM-II-300-S	pcs.	10.0	10.0	840.0	5.6	5.6	471.7	5906675064642
R-KEM-II-300-SL	pcs.	10.0	10.0	840.0	0.0	0.0	0.0	5906675418063
R-KEM-II-300-SV	pcs.	10.0	10.0	840.0	5.9	5.9	0.0	5906675417073
R-KEM-II-300-W	pcs.	10.0	10.0	840.0	5.8	5.8	486.4	5906675064666
R-KEM-II-300/H	pcs.	10.0	10.0	840.0	0.0	0.0	0.0	5906675489193
R-KEM-II-410	pcs.	10.0	10.0	560.0	8.4	8.4	0.0	5906675408163
R-KEM-II-410-GREY	pcs.	10.0	10.0	560.0	8.2	8.2	459.2	5906675424941
R-KEM-II-410-STONE	pcs.	10.0	10.0	560.0	8.5	8.5	0.0	5906675424958
R-KEM-II-410-W	pcs.	10.0	10.0	560.0	8.2	8.2	457.6	5906675516271
R-KEM-II-300-GREY	pcs.	10.0	10.0	840.0	5.6	5.6	469.6	5906675038131
R-KEM-II-300-STONE	pcs.	10.0	10.0	840.0	5.6	5.6	472.9	5906675038124
R-KEM-II-300-IT	pcs.	10.0	10.0	840.0	5.6	5.6	470.4	5906675512976
R-KEM-II-175-ES	pcs.	10.0	10.0	720.0	3.6	3.6	256.2	5906675513669
R-KEM-II-300-DE	pcs.	10.0	10.0	840.0	5.6	5.6	469.2	5906675557281
R-KEM-II-300-E	pcs.	10.0	10.0	630.0	17.8	17.8	353.4	5906675565330

RELATED PRODUCTS

SAFETY

Protective gloves for power tools
R-PGL



DRILLING

Rotary Hammer Drill SDS plus; 850W; 26mm; 2.5J
R-PRH-26850



Cordless Hammer 18V SDS plus
R-PRH18



Drill bits Aggressor SDS plus
RT-SDSA



Drill bits Rebardrill SDS plus
RT-SDSR



CLEANING

Blow Pump
R-BLOWPUMP



Steel wire brushes for cleaning holes
R-BRUSH-TC



Blow nozzle for cleaning holes
R-NOZ-ADAPTER



DOZING

Manual dispensing system for cartridges
R-GUN-300-N; R-GUN-345-N



ANCHORING

Hammer
RT-HAM-0500



Plastic mesh sleeve
R-PLS