

MACSIM®

CHEMICAL Anchoring Systems



* BARCODE PREFIX: 9312862

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SUPER LOAD application & use

TWO PART PURE EPOXY CHEMICAL RESIN, IDEAL FOR ANCHORING THREADED ROD AND REBAR INTO CONCRETE.

- FIRE RATED
- Extreme high bond strength/ load resistance
- Use with all grades of threaded rod and rebar
- Use in cracked and un-cracked concrete
- For deep embedment installation
- Longer gelling times for larger holes
- Use in wet and dry concrete, wet holes
- Use in flooded environments
- Suitable for diamond drilled holes
- Use in elevated temperatures
- Overhead installations styrene free with low odour
- BS6920 Tested and approved for use with drinking water

PRODUCT CODE	DESCRIPTION	PACK QTY	CARTON QTY	BARCODE
SUPER LOAD 585: Pure Epoxy Chemical Injection System				
Carton				
71SL585	585mL	1	10	233573
NOTE: For more information and technical data refer to Chemical Anchoring Technical Manual				
71PGSL585	INJECTION TOOL	1	1	234365



ULTRABOND application & use

TWO PART EPOXY ACRYLATE RESIN DESIGNED TO ANCHOR THREADED RODS AND REBAR IN CONCRETE. WITH EUROPEAN APPROVAL FOR USE IN MASONRY BLOCK ACCORDING TO ETAG 029.

- Ultra high bond strength with high load resistance
- Used with all grades of threaded rod and rebar
- Used in concrete and masonry
- Fast gelling and curing
- Used in dry and wet concrete
- European approval for use in masonry with nylon sleeves
- Styrene free with low odour
- Economical fixing resin
- Extremely versatile
- Resistance to chemicals and damp conditions
- Close edge distance and small spacing

PRODUCT CODE	DESCRIPTION	PACK QTY	CARTON QTY	BARCODE
ULTRABOND 300/410: Epoxy Acrylate Resin Chemical Injection System				
Carton				
71UB300	300mL	1	5	052440
71UB410	410mL	1	6	083765
NOTE: For more information and technical data refer to Chemical Anchoring Technical Manual				



Size (mm)	Recommended Load (kN)		Characteristic Distances (mm)				
	Tension	Shear	Edge	Spacing	Nominal Embedment (mm)	Hole Diameter Concrete (mm)	Hole Diameter Fixture (mm)
	N _{rec}	V _{rec}	C _{cr,N}	S _{cr,N}			
M8	9.07	5.14	80	160	80	10	9
M10	14.36	8.57	100	200	90	12	12
M12	20.86	12.00	120	240	110	14	14
M16	38.86	22.29	160	320	125	18	18
M20	60.64	34.86	200	400	170	22	22
M24	87.43	50.29	240	480	210	28	26
M30	138.93	81.43	300	600	280	35	32
M36	202.29	121.43	360	720	340	40	38

Size (mm)	Recommended Load (kN)		Characteristic Distances (mm)				
	Tension	Shear	Edge	Spacing	Nominal Embedment (mm)	Hole Diameter Concrete (mm)	Hole Diameter Fixture (mm)
	N _{rec}	V _{rec}	C _{cr,N}	S _{cr,N}			
M8	9.07	5.14	80	160	80	10	9
M10	14.36	8.57	100	200	90	12	12
M12	20.86	12.00	120	240	110	14	14
M16	32.31	22.29	160	320	125	18	18
M20	49.85	34.86	200	400	170	22	22
M24	63.33	50.29	230	460	210	28	26
M30	68.71	81.43	280	560	280	35	32
M36	117.19	121.43	330	660	340	40	38

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QUIKFIX application & use

TWO-PART POLYESTER CHEMICAL ANCHORING RESIN DESIGNED TO ANCHOR THREADED RODS AND REBAR IN CONCRETE AND ALSO HAS THE ADVANTAGE OF EUROPEAN APPROVAL FOR USE IN MASONRY BLOCKS ACCORDING TO THE ETAG 029

- High bond strength with high load resistance
- Used with all grades of threaded rods
- Used in concrete and masonry
- Fast gelling and curing
- Used in wet and dry concrete
- Close edge distance and small spacing
- Styrene free with low odour
- Economical fixing resin



PRODUCT CODE	DESCRIPTION	PACK QTY	CARTON QTY	BARCODE
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QUIKFIX 300/410: Polyester Resin Chemical Injection System



Carton

PRODUCT CODE	DESCRIPTION	PACK QTY	CARTON QTY	BARCODE
71PC300	300mL	1	5	074398
71PC410	410mL	1	6	848739

NOTE: For more information and technical data refer to Chemical Anchoring Technical Manual

Loads, Edge and Spacings based on Characteristic bond strengths - Showing steel failure							
Size (mm)	Recommended Load (kN)		Characteristic Distances (mm)				
	Tension	Shear	Edge	Spacing	Nominal Embedment (mm)	Hole Diameter Concrete (mm)	Hole Diameter Fixture (mm)
	N _{rec}	V _{rec}	C _{cr,N}	S _{cr,N}			
M8	8.36	5.14	80	160	80	10	9
M10	11.79	8.57	100	200	90	12	12
M12	17.29	12.00	120	240	110	14	14
M16	24.93	22.29	160	320	125	18	18
M20	38.14	34.86	200	400	170	22	22
M24	50.29	50.29	225	450	210	28	26
M30	68.07	81.43	260	520	280	35	32
M36	202.29	121.43	360	720	340	40	38

CHEMCAP STUD BOLTS: Internal Hex Drive

**5.8 Grade Steel
YELLOW ZINC PLATED**

FOR USE WITH CHEMICAL CAPSULES ANCHORING INTO CONCRETE AND STONE WHERE HEAVY LOADS ARE REQUIRED.



PRODUCT CODE	STUD SIZE (mm)	DRILL SIZE (mm)	HOLE DEPTH (mm)	PACK QTY	BARCODE
Trade Box Pack					
37S08	8	10	110	10	007211
37S10	10	12	130	10	007235
37S12	12	14	160	10	007242
37S16	16	18	190	10	007129
37S20	20	25	260	10	007266
37S24	24	28	300	10	007273

**5.8 Grade Steel
GALVANISED**



PRODUCT CODE	STUD SIZE (mm)	DRILL SIZE (mm)	HOLE DEPTH (mm)	PACK QTY	BARCODE
Trade Box Pack					
37SC08	8	10	110	10	007280
37SC10	10	12	130	10	007297
37SC12	12	14	160	10	007228
37SC16	16	18	190	10	007310
37SC20	20	25	260	10	007334
37SC24	24	28	300	10	007341

316 STAINLESS STEEL



PRODUCT CODE	STUD SIZE (mm)	DRILL SIZE (mm)	HOLE DEPTH (mm)	PACK QTY	BARCODE
Trade Box Pack					
37SS10	10	12	130	10	007365
37SS12	12	14	160	10	007372
37SS16	16	18	190	10	007389
37SS20	20	25	260	10	007396

CHEMCAP STUD BOLTS: External Hex Drive

**5.8 Grade Steel
GALVANISED**



PRODUCT CODE	STUD SIZE (mm)	DRILL SIZE (mm)	HOLE DEPTH (mm)	PACK QTY	BARCODE
Trade Box Pack					
37SBC10	10		130	50	234419
37SBC12	12	14	160	40	225790
37SBC16	16	18	190	20	225806
37SBC20	20		260	10	234426

CHEMCAP STUD BOLTS: Flat End

316 STAINLESS STEEL



PRODUCT CODE	STUD SIZE (mm)	DRILL SIZE (mm)	HOLE DEPTH (mm)	PACK QTY	BARCODE
Trade Box Pack					
37SS10F	10	12	130	10	202982

PRODUCT CODE	STUD SIZE (mm)	LENGTH (mm)	SUITS	PACK QTY
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CHEMCAP STUD BOLTS: For Hollow Brick Sleeves

**5.8 Grade Steel
GALVANISED**



PRODUCT CODE	STUD SIZE (mm)	LENGTH (mm)	SUITS	PACK QTY	BARCODE
Trade Box Pack					
37SCH10	10	110	71S12	10	064139
37SCH12	12	110	71S16	10	064146
37SCH16	16	125	71S20	10	064153

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INJECTION SYSTEM ACCESSORIES



PRODUCT CODE	DESCRIPTION	PACK QTY	BARCODE
Caulking Gun			
71PG	380ml QUICKFIX APPLICATOR GUN	1	025956
UltraBond Mixer Nozzle			
71UN		1	061190
Injection System Nozzles			
71PN	QUIKFIX MIXER NOZZLE	1	025970
Injection System Mixer Nozzle Extension			
71ME250	250MM MIXER EXTENSION	1	211304
Injection System Sleeves			
71S12	12mm SLEEVE FOR 10mm STUDS	10	025994
71S15	15mm SLEEVE FOR 12mm STUDS	10	026007
71S20	20mm SLEEVE FOR 16mm STUDS	10	030417
Hole Cleaning Brush			
71B14	14MM X 400MM	1	025888
71B16	16MM X 400MM	1	025895
71B18	18MM X 400MM	1	211236
71B20	20MM X 400MM	1	025901
71B28	28MM X 400MM	1	211243
Hole Cleaning Pump			
71HCP	MACSIM HOLE CLEANING PUMP	1	049433

FASTENINGS PER CARTRIDGE

NORMAL REBAR SIZE (mm)	HOLE DIAMETER (mm)	EMBEDMENT DEPTH (mm)	APPROXIMATE FASTENINGS PER 300ml CARTRIDGE	APPROXIMATE FASTENINGS PER 410ml CARTRIDGE	APPROXIMATE FASTENINGS PER 585ml CARTRIDGE
10	12	45	94	128	183
		90	47	64	91
		135	32	43	62
12	16	55	63	86	122
		110	32	43	62
		165	21	29	40
16	20	65	32	43	62
		130	16	22	31
		195	11	15	21
20	24	85	24	32	46
		170	12	16	23
		255	8	11	15
25	30	110	13	18	25
		215	6	9	11
		315	4	5	7
32	36	150	6	8	11
		305	2	3	3
		460	2	2	3