

CHEMICAL ANCHORS - Injection Resins

Code	Content	Cartridge Description	Qty Per Box	Weight Kg Per Cartridge	Price £ Per Item
0868MC165	165ml	Styrene Free Polyester Resin with 1 mixer nozzle	15	0.38	12.50
0868PR300	300ml	Styrene Free Polyester Resin with 1 mixer nozzle	12	0.60	17.39
0868PR410	410ml	Polyester Resin with 1 mixer nozzle	12	0.76	15.28
0868EA410	410ml	Styrene Free Epoxy Acrylate with 1 mixer nozzle	12	0.76	17.72
0868VE410	410ml	High-Load Pure Vinyl ester Resin with 1 mixer nozzle - ETA Approved	12	0.78	18.65
0868PE400	400ml	Pure Epoxy Resin with 1 mixer nozzle - WRAS Approved	10	0.82	26.55

NUMBER OF FIXINGS PER CARTRIDGE

Stud Diameter (mm)	Hole Diameter (mm)	Hole Depth (mm)	Fixings Per 410ml	Fixings Per 300ml	Fixings Per 165ml
8	10	80	90	71	39
10	12	90	55	43	24
12	14	110	33	26	14
16	18	125	17	13	7
20	22	170	9	7	4

Technical Information Epoxy Acrylate

Thread Diameter (size)	Hole Diameter (mm)	Embedment Depth (mm)	Fixture Clearance Hole (mm)	Characteristic Spacing (mm)	Characteristic Edge Distance (mm)	Structure Thickness (mm)	Rec Tensile Load kN	Rec Shear Load kN	Rec Tight Torque Nm
M8	10	80	9	160	80	100	5.60	5.40	6
M10	12	90	11	180	90	130	9.00	8.60	17
M12	14	110	13	220	110	150	14.10	12.50	33
M16	20	125	17	250	125	170	20.70	23.30	75
M20	24	170	22	340	170	190	27.70	36.40	120
M24	28	210	26	420	210	240	52.40	54.70	198
M30	35	280	33	560	280	360	118.60	118.60	480

Concrete = 25Nmm² (C20/25) 5.8 Grade Studding

Technical Information Polyester Resin

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M8	10	80	9	160	80	100	4.90	5.40	6
M10	12	90	11	180	90	130	7.50	8.60	17
M12	14	110	13	220	110	150	10.60	12.50	33
M16	20	125	17	250	125	170	12.30	23.30	75
M20	24	170	22	340	170	190	19.90	36.40	120
M24	28	210	26	420	210	240	27.40	52.40	198
M30	35	280	33	560	280	360	46.50	69.30	480

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Typical Cure Times Example for Polyester with M12 Fixing

Base Material Temperature °C	35°C	25°C	15°C	5°C	-5°C	-10°C
Gel Time (Working Time)	3mins	7mins	11mins	21mins	50mins	60mins
Minimum Loading Time	20mins	20mins	20mins	30mins	90mins	180mins

(also listed on label of each resin tube)

COSHH safety sheet available on request or online at www.masonmate.com



300ml Polyester Resin



410ml Epoxy Acrylate



410ml High-Load Pure Vinyl ester



0603526



400ml Pure Epoxy Resin

Injection Resins are used for fixing in awkward materials or where access may be difficult. Polyester Resin is a general purpose, fixing resin. Epoxy Acrylate is for improved performance in concrete, damp or corrosive conditions. Pure Resin can be used in damp or even wet conditions. WRAS approved for portable water applications. Arctic and Tropical resins available.