

Description

Chemset P is a high performance, Fast curing two-part resin anchoring System based on unsaturated Polyester Resin in styrene. Pre-packed in a 10:1 Ratio cartridge for ease of use.

Applications

Suitable for use in concrete, brickwork and stone
 Suitable for fixing wall ties, starter bars, studs & bolts
 Suitable for close edge fixings
 Chemically resistant, Waterproof & vibration proof.
 Crack and gap filling. Damp and wet holes.

How to use

Unscrew the cap from the cartridge and screw on the static mixer nozzle. Fit the cartridge into the applicator gun and gradually apply pressure to the trigger until the material exudes from the end of the nozzle. You should always waste the first 10cm or so of resin until you get an even colour. Insert the nozzle into the hole & gun the material out, removing the nozzle slowly as the hole fills up. Once sufficient resin is in the hole, release the pressure from the gun and place the stud to be fixed into the hole with a twisting action to ensure full contact between hole, resin & stud. Allow resin to cure fully before loading. Please see label on cartridge for full installation instructions.

Specification Data

Performance data at standard embedment depth in 25n/mm² concrete using grade 8.8 steel

Safety factor of 2 for Rec Load KN.

Stud size	Hole size (mm)	Hole depth (mm)	Failure load (kn)	Rec Load (kn)	Rec Shear (kn)	Edge (mm)	Space (mm)
M8	10	80	19.00	9.5	5.1	80	160
M10	12	90	24.5	12.25	8.5	90	200
M12	14	110	34.1	17.05	12	110	240
M16	18	125	49.1	24.55	22.2	125	320
M20	22	170	77.8	38.9	34.8	170	400
M24	28	280	97.2	48.6	50.2	210	450
M30	35	280	134.5	67.25	81.4	280	520

Gel & cure times

Temp. Degrees C	Gel Time (Mins)	Min Load Time (Mins)
30	3 – 5	25
20	5 – 7	45
10	12 – 15	80
5	20 – 25	120
-5	40 – 45	200
-10	50 - 55	260

Resin temperature must be at least 20 degrees c for -5 and lower.
 Load time for wet concrete is x2.

Pack Sizes

400ml, 300ml Cartridge.

Storage Life. At least twelve month from date of manufacture if stored between 5-20 deg. C in manufactures unopened cartridges.

Reduction Factors for Edge Spacing Distances

The full characteristic edge and spacing distances shown in the table above are the minimum allowable for the quoted information. Where these dimensions are not achievable then the appropriate reduction factor / factors from the following tables must be applied.

Edge Distance in Concrete

Edge mm.	Tensile Edge Reduction Factors						Shear Edge Reduction Factors					
	M8	M10	M12	M16	M20	M24	M8	M10	M12	M16	M20	M24
50	0.77						0.50					
60	0.85	0.80					0.60	0.50				
70	0.92	0.87	0.78				0.70	0.58	0.50			
80	1.00	0.93	0.84				0.80	0.66	0.57			
90		1.00	0.89	0.82			0.90	0.75	0.64	0.56		
100			0.95	0.86	0.80		1.00	0.83	0.71	0.62	0.54	
110			1.00	0.91	0.84	0.77		0.92	0.78	0.69	0.61	0.50
130				1.00	0.92	0.83		1.00	0.92	0.81	0.69	0.59
150					1.00	0.90			1.00	0.94	0.81	0.68
170						0.97				1.00	0.94	0.77
190						1.00					1.00	0.86
210												0.95
240												1.00

Spacing in Concrete

Spacing (mm)	Tensile & Shear Reduction Factors					
	M8	M10	M12	M16	M20	M24
50	0.80					
60	0.84	0.80				
70	0.88	0.83	0.80			
80	0.92	0.87	0.83			
90	0.96	0.91	0.86	0.81		
100	1.00	0.93	0.88	0.84	0.80	
110		0.97	0.91	0.87	0.82	0.79
130		1.00	0.96	0.91	0.86	0.82
150			1.00	0.95	0.90	0.85
170				1.00	0.94	0.88
190					0.98	0.92
210					1.00	0.95
240						1.00

Important

Whilst every effort is made to ensure that the information given in this data sheet is reliable, no warranty as to the fitness or suitability of the products is given or implied.

We advise customers in their own interests to ensure that this data sheet has not been superceded by a more up to date publication and to determine the suitability of use themselves..

All products are sold subject to our standard conditions of sale which are available on request.