

Cartridge based two part Styrene Free Polyester Bonding Adhesive

A high strength, chemical resistant, fast curing anchoring system for bonding either masonry to masonry or for bonding other construction components, such as metal pipework to masonry, brick or pipework etc.

Due to the conical mixing spiral dispensing tube supplied it is easy to apply ADOBOND SFR in small and controlled amounts to the bonding surface.

Advantages

- Suitable for use in concrete, brickwork and stone
- Suitable for fixing wall ties, starter bars, studs & bolts
- Suitable for close edge fixings. Pre-packed 10:1 ratio.
- Chemically resistant, Waterproof & vibration proof.

Application

Unscrew the cap from the cartridge and screw on the static mixer nozzle. For the 300ml cartridge, unscrew the cap and cut the metal clip off before screwing the mixer nozzle on. 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 10ml 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

Stud Size	Hole size	Hole Depth	Characteristic Load (kn)	Recommended Load (kn)	Edge Distance (mm)	Spacing (mm)	Min concrete depth (mm)
M8	10	80	26.1	8.7	120	80	110
M10	12	90	32.1	10.7	135	90	120
M12	14	110	43.8	14.6	165	110	140
M16	18	125	51	17	190	125	170
M20	22	170	87	29	255	170	230

Gel & cure times

Approximate number of fixings per cartridge

Temperature °C	Gel time (mins)	Minimum Load Times (mins)	Bolt diam (mm)	Hole diam (mm)	Hole depth (mm)	300ml
5	20-25	120	8	10	80	60
10	12-15	80	10	12	90	40
20	5-7	45	12	14	110	24
30	3-5	25	16	18	125	16
			20	22	170	8

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	Edge Distance in Concrete						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

Tensile & Shear Reduction Factors

Spacing	M8	M10	M12	M16	M20	M24
mm						
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

Storage

Store at temperatures between 5–20 °C in manufactures unopened cartridges.

Shelf Life

At least twelve months from date of manufacture.

Specification

ADOBOND SFR is manufactured by Adomast Manufacturing Ltd and shall be applied strictly in accordance with the manufacturer's instructions. For specific advice regarding any aspect of this product, please consult our Technical Department

Health and Safety

Prolonged physical contact should be avoided and personal and environmental hygiene encouraged in common with the use of all chemicals where contact with skin occurs, the material should be removed with soap and water. If splashes affect eyes, they should be bathed immediately with copious quantities of clean water and if discomfort persists, medical attention should be sought without delay.

See Safety Data Sheet for further information.