

BAR-FAST EASF

Epoxy acrylate styrene free, resin anchor cartridge system

DESCRIPTION

BAR-FAST EASF is a high performance, fast curing two-part Chemical Anchor System based on unsaturated epoxy acrylate Resin in vinyl-toluene monomer. It is styrene free and therefore has very little smell unlike competitor products.

USES

Suitable for direct fixing in all types of solid concrete, solid brickwork and natural stone.

Fixing into hollow materials with the use mesh sleeves

Suitable for fixing wall ties, starter bars, studs & bolts

Suitable for close edge fixings.

ADVANTAGES

- Pre-packed 10:1 ratio cartridge.
- Uses a std co-axial resin gun.
- Chemically resistant when cured.
- Waterproof & Vibration proof when cured.
- Fast cure system with high loading.
- Expansion free anchoring allows reduced centre and edge distance spacing's.

APPLICATION

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 10ml or so of resin until you get an even colour.

HOLES SHOULD BE DRILLED WITH A ROTARY PRECUSSION DRILL. SMOOTH HOLES MUST BE ROUGHENED. HOLES MUST BE SPOIL AND DUST FREE, USE HOLE BRUSHES AND BLOW OUT PUMP TO CLEAN

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 or bar to be fixed into the hole with a twisting action to ensure full contact between hole, resin & bar. Allow resin to cure fully before loading. Please see label on cartridge for full installation instructions.

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Standard embedment depth in un-cracked 25N/mm² concrete using grade 8.8 steel threaded steel fixing

Stud size	Hole size (mm)	Hole depth (mm)	Characteristic load (Kn)	Recommended load (Kn)	Edge distance (mm)	Spacing	Min concrete depth (mm)
M8	10	80	27	9	120	80	110
M10	12	90	33	11	135	90	120
M12	14	110	45	15	165	110	140
M16	18	125	54	18	190	125	170
M20	22	170	90	30	255	170	230

Recommended Loads

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.

mm	Anchor Spacing Reduction Factors						Anchor 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

RE-BAR Fixing data non-cracked concrete C20/25

Recommended Loads

Characteristic Resistance / Load							
Rebar	H8	H10	H12	H14	H16	H20	H25
Tensile	14	21	30	45	52	75	115
Shear	16	25	34	47	66	92	140
Recommended Resistance / Load							
Tensile	7	10	15	22	26	37	57
Shear	8	12	17	23	33	46	70

Approximate number of fixings per cartridge

Bolt diam (mm)	Hole diam (mm)	Hole depth (mm)	Fixings per 400ml
8	10	80	110
10	12	90	60
12	14	110	40
16	18	125	20
20	22	170	9

Gel & Cure time for different temperatures

Temp 0°C	Gel time	Min Load Time
5	20-25 min	120 min
10	12-15 min	80 min
20	5-7 min	45 min
30	3-5 min	25 min

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ACCESSORIES

Co-axial applicator Guns, Spare Mixer Nozzles, Extension Tubes for deep holes, Blow out Pumps

COVERAGE

Refer to data on page 2

STORAGE & HANDLING

Clean any spillages or tools with SOLVKLEEN or other proprietary solvent cleaner before hardening.

Hardened and cured material can only be removed mechanically.

Storage is at least twelve month from date of manufacture if stored between 5-20°C in manufactures unopened cartridges.

PACKAGING & TRANSPORT

Supplied in 12 x 4000ml Cartridges including nozzle

Not Regulated for Road Transport

HEALTH & SAFETY

Refer to separate material safety data sheet. Copies available by request.

QUALITY ASSURANCE

Norsekem Limited Products are manufactured under quality assured schemes

Norsekem Limited products are guaranteed against defective materials and manufacture. Products are sold subject to the Norsekem Limited Terms and Conditions of Sale, copies of which are available on request. Norsekem Limited endeavors to ensure that the above data and any further advice is correct, Norsekem Limited can not accept liability for the use to which products are put or the way in which they are used. All recommendations stated by the company are made in good faith. Recommendations do not over-ride the basic obligation of the user to satisfy themselves at all times as to suitability of the product for their particular application.

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