

Spit Epomax Vinylester Resin - Styrene Free



Easy to pump, performance resin

Fast curing vinylester resin, saving time and money on site. Now improved for a stronger fix, easier injection and faster curing time.

Product Advantages

- Cartridge is self UV protected for better conservation
- M8 - M30 stud range with it's approval
- Styrene free
- New formulation 40% stronger on ETA
- Fast setting and cure time (setting 6.5 mins cure 110 mins)
- Fire tested following regulation TR 020
- Bottom of cartridge is now sealed to prevent leaking / stickiness
- Improved pumpability in lower temperatures
- Pumping effort reduced by 30%

Specification

Epomax is a 10:1 resin injection fixing system. On application the pre-mixed resin is injected into the fixing hole. Studs, or internally threaded sockets, are installed immediately and the resin allowed cure time.

Epomax Vinylester resin (epoxy acrylate) easy pumping formula, catalytic hardener.

Substrates

- Concrete
- Solid brick stone
- Solid brick
- Hollow block wall
- Hollow brick
- Hollow floor beams

Approvals



Epomax conforms to ETA option 7 / part 5 for BZP and Stainless Steel.

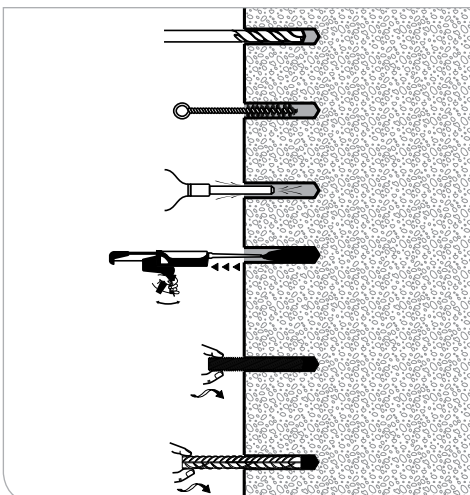
It also adheres to Socotec approval No. QX 0070 - M8 to M12 male and female stud into hollow materials using plastic sleeve or satelis.

Applications



- Steel framed structures
- Machinery
- Storage silos, refinery pipe work supports
- Motorway signs
- Safety barriers

Installation



1. Drill correct diameter hole to recommended depth.
2. Clean hole thoroughly with brush.
3. Pump air into hole and repeat brush and blow process.
4. Assemble nozzle onto cartridge. Extrude resin until an even mix is achieved and then inject into hole.
5. Insert stud by hand to full depth, using slow rotating movement.
6. Allow Epomax to cure for specified period before loading.

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Product Range - Spit Epomax Cartridges and Nozzles

Eurocode	Description	Box Qty	Carton Qty
050883	Epomax Cartridge Grey (150ml)	1	10
050885	Epomax Cartridge Grey (380ml)	1	10
051033	Epomax Cartridge Grey (380ml) Bulk*	1	20
050882	Epomax / C Mix Nozzle	1	5
995940	Extension Nozzle	1	

*Must be ordered in quantities of 20.

Product Range - Spit Epomax Application Tool



Eurocode	Description	Box Qty	Carton Qty
771510	Injection Tool	1	1

Spit Epomax Vinylester Resin Technical Data

Thread Ø	Max Anchor Depth (mm)	Max Fixture Thickness	Min Thickness Base Material	Drilling Depth	Drill Bit Ø	Total Rod Length	Max Tightening Torque
M8	80mm	15mm	120mm	80mm	10mm	110mm	10Nm
M10	90mm	20mm	130mm	90mm	12mm	130mm	20Nm
M12	110mm	25mm	160mm	110mm	14mm	160mm	30Nm
M16	125mm	35mm	175mm	125mm	18mm	190mm	60Nm
M20	170mm	65mm	220mm	170mm	25mm	260mm	120Nm
M24	210mm	63mm	270mm	210mm	28mm	300mm	200Nm
M30	280mm	70mm	340mm	280mm	35mm	380mm	400Nm

Spit Epomax Recommended Loads (for one anchor without edge or spacing influence)

Anchor Size	Tensile Load (kN)		Shear Load (kN)	Temp	Handling Time	Curing Time
	hef	Nrec	Vrec			
Ms = 1.43 for M8 to M16 and 1.5 for M20 to M30						
M8	80.0	10.5	5.5	0°C	22'	210'
M10	90.0	14.8	9.4	5°C	17'	120'
M12	110.0	21.7	12.6	10°C	11'	60'
M16	125.0	29.3	23.4	20°C	6'	40'
M20	170.0	35.1	28.1	30°C	3'	35'
M24	210.0	52.0	45.6	40°C	1'	30'
M30	280.0	70.4	64.7			

In order for technical values and approvals to be valid, studs with embedment depth mark should be used.