

## Epomax Vinylester Resin



### Easy to pump, performance resin

Fast curing vinylester resin, saving time and money on site.

### 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

### Applications

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

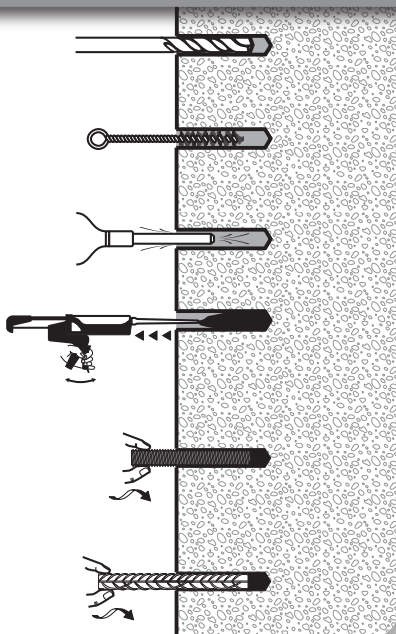
### Approvals



### Installation Equipment

- Rotary Hammer (SP21, 322, 327, 331, 335, 352)
- Correct size drill bit
- Correct brush size
- Appropriate size hexagon drive socket
- Blow Out Pump
- Torque wrench

### Installation



1. Drill hole with correct size drill bit to recommended depth and diameter (see table attached).
2. Remove debris from hole by blowing out with compressed air or hand held blow out pump. This process should be repeated twice.
3. Assemble nozzle onto cartridge. Extrude resin until an even mix is achieved then inject into hole until half full.
4. Insert stud by hand to full depth, using a slow rotating method. This will ensure that any air pockets escape ensuring a correct setting.
5. Allow Epomax to cure for specified period, details found on tube and vary according to air temperature, prior to applying recommended torque.

**Epomax Vinylester Resin Recommended Loads in Concrete**

<b>Thread Diameter</b>	<b>Hole Diameter</b>	<b>Embed Depth</b>	<b>Max Fixture Thickness</b>	<b>Max Torque</b>	<b>Tensile Load hef</b>	<b>Tensile Load Nrec</b>	<b>Shear Load Vrec</b>
M8	10mm	80mm	120mm	10Nm	80.0kN	7.3kN	5.5kN
M10	12mm	90mm	130mm	20Nm	90.0kN	10.0kN	9.4kN
M12	14mm	110mm	160mm	30Nm	110.0kN	3.0kN	12.6kN
M16	18mm	125mm	175mm	60Nm	125.0kN	15.1kN	23.4kN
M20	25mm	170mm	120mm	120Nm	170.0kN	20.4kN	28.1kN
M24	28mm	210mm	270mm	200Nm	210.0kN	36.1kN	45.6kN
M30	35mm	280mm	340mm	400Nm	280.0kN	48.9kN	64.7kN

\*Recommended loads for one anchor without edge or spacing influence