Epcon High Performance Chemical Resin

Best performing resin available

No shrink chemical anchor works underwater and has been used on major projects all over the world for over 15 years.

Specification

Epcon is a 1:1 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.

Ceramic 6 Epoxy resin system for high compressive strength, catalytic hardener.

Substrates

- Concrete
- Plasterboard*
- Hollow brick
- Stone
- Solid block
- Solid brick
- Hollow floor beams
- Hollow block wall*

Applications

- Installation of Ancillary equipment
- Fixing steel framed structures
- Fixing machinery (resistant to vibration)
- Protective barriers
- Electric insulation (high dielectric strength 10,000V)
- Silo tanks
- Pumps and pipework
- Rebar installation
- Safety rails

Approvals

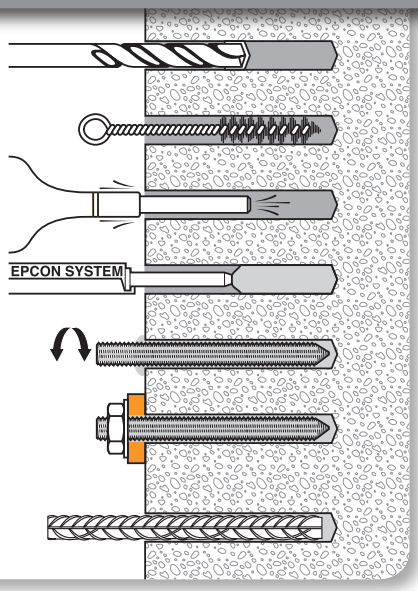
SOCOTEC

WRAS Water Regulations Advisory Scheme

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 Epcon to cure for specified period, details found on tube and vary according to air temperature, prior to applying recommended torque.

Epcon High Performance Chemical Resin Recommended loads in concrete

Thread Diameter	Hole Diameter	Embed Depth	Anchor Spacing	Edge Distance	Max Torque	C20 / 25 Tensile Load	C20 / 25 Shear Load
M8	10mm	80mm	160mm	85mm	10Nm	6.4kN	5.4kN
M10	12mm	90mm	180mm	90mm	20Nm	8.1kN	7.9kN
M12	14mm	110mm	220mm	110mm	30Nm	11.4kN	9.8kN
M16	18mm	125mm	250mm	125mm	60Nm	20.1kN	18.6kN
M20	25mm	170mm	340mm	170mm	120Nm	30.4kN	33.1kN
M24	28mm	210mm	450mm	210mm	200Nm	43.7kN	46.0kN
M30	35mm	280mm	560mm	280mm	400Nm	72.8kN	69.8kN

*Recommended load expressed in accordance with design method CC.