

Spit 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.

Product Advantages

- Works in damp and underwater applications
- Minimum shrinkage improves long term performance and eliminates danger of exposure to freeze / thaw conditions
- One solution for both solid and hollow base materials
- Styrene free rapid cure epoxy resin
- Vibration resistant
- Reduces anchor spacing and edge distances
- Cartridge is self UV protected for better conservation
- The resin for extreme conditions - best chemical resistance

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

*With Satelis accessory page 104

Approvals



NF approved as a category 4 anchoring product as per standard P18-822

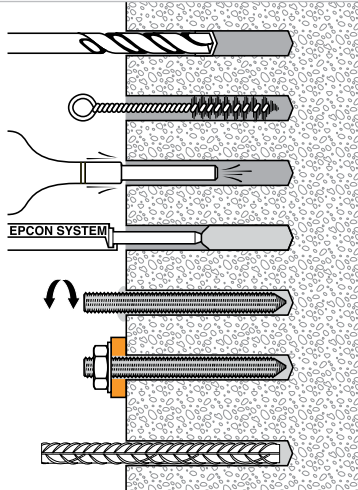
Applications



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

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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 Epon to cure for specified period, prior to applying recommended torque.

Product Range - Spit Epon Cartridges and Nozzles

Eurocode	Description	Box Qty
063220	Epcon Cartridge + 1 Nozzle (530ml)	1
063900	Application Nozzle with Extension	1
062630	Epcon Cartridge + 1 Nozzle (200ml)	1

Product Range - Spit Epon Application Tools



Eurocode	Description	Box Qty
063170	Epcon 530 Manual Injection Tool	1
063360	Epcon 530 Pneumatic Tool	1
062640	Epcon 200 Manual Injection Tool	1

Spit Epon High Performance Chemical Resin Recommended loads in concrete

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

*Recommended load expressed in accordance with design method CC.

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