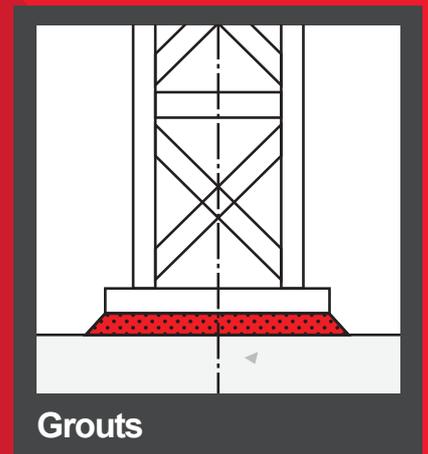




constructive solutions

GROUTING SOLUTIONS

CONBEXTRA®



Grouts



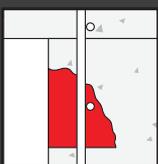
About Fosroc and Parchem

Fosroc is a world leader in construction solutions. Since the company's beginnings over 80 years ago, Fosroc has developed into an international leader in delivering construction solutions for virtually any building or infrastructure project. New or old construction above or below ground, we combine high quality products, expert technical support, customer service and innovation to give you the best solution for your project.

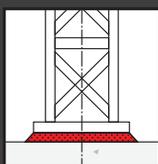
We provide construction solutions for; new and old concrete repair, grouts, waterproofing joint fillers & sealants, industrial flooring, protective coatings, surface treatments, concrete admixtures and concrete grinding aids.

Fosroc has an extensive network of offices and manufacturing locations across Europe, the Middle East, India and Asia, and is further represented in other regions across the world by distributor and licensee partners.

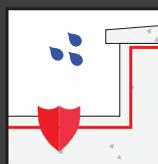
Parchem Construction Supplies, part of DuluxGroup, is the licensed manufacturer and distributor of Fosroc, Vector®, Vandex®, and EdenCrete® products in Australia, and Concrete Plus™ is the licensed distributor in New Zealand.



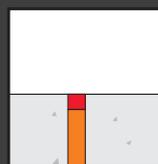
Concrete Repair



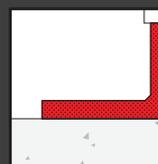
Grouts



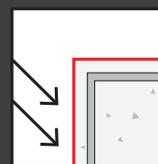
Waterproofing



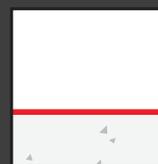
Joint Fillers & Sealants



Industrial Flooring



Protective Coatings



Surface Treatments

Fosroc Grouting Solutions

For many years, Fosroc grouts have been supporting some of the world's most demanding projects. Fosroc Conbextra grouts are chosen for their ability to deal with dynamic loads, chemical exposure, extremes of heat and harsh natural exposure, making them a great choice for critical load-bearing situations.

Through decades of experience, we know that effective grouting and anchoring relies on more than strength alone.

The flow and workability of Fosroc's Conbextra range ensures that the best possible contact is achieved for your application, meaning you will achieve all the strength you need, exactly where you need it.

Stability is the key to structural integrity. Fosroc has all the grout solutions that you could need to create a total, solid support. Whatever you are putting in place, we have the product to give it the best connection and foundation for success.

Our Range

Cementitious Grouts

- Conbextra C
- Conbextra CB
- Conbextra Deep Pour
- Conbextra GP
- Conbextra HES
- Conbextra HF
- Conbextra HS
- Conbextra UW
- Construction Grout
- Renderoc BB

Epoxy Grouts

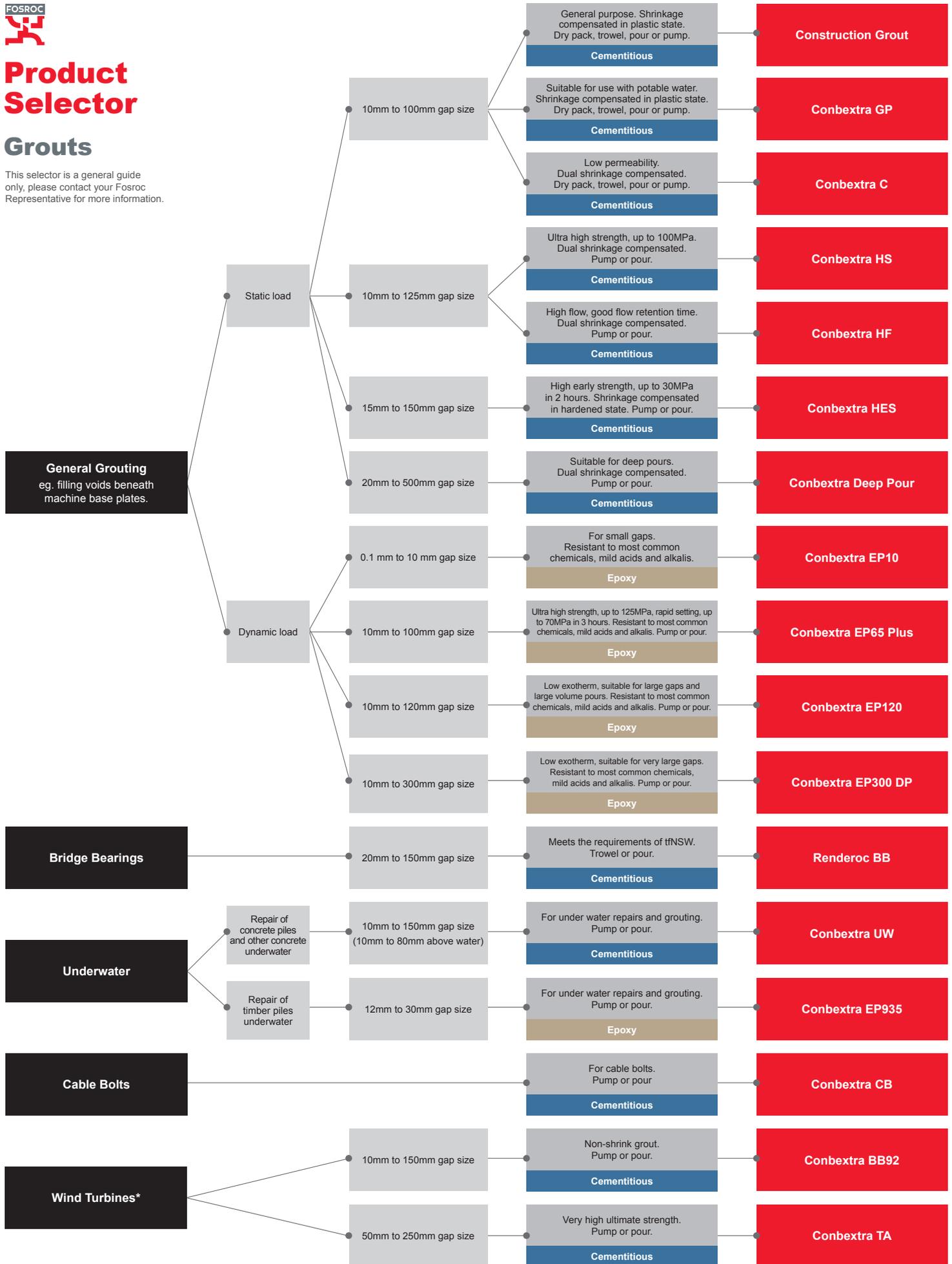
- Conbextra EP10
- Conbextra EP120
- Conbextra EP300 DP
- Conbextra EP65 Plus
- Conbextra EP935
- Conbextra Grout Aggregate



Product Selector

Grouts

This selector is a general guide only, please contact your Fosroc Representative for more information.



*Grouts for specific manufacturer turbines are available, talk to your Fosroc representative.
Please always refer to the product TDS before making your final selection or speak to your Fosroc representative.

Grouts Product Guide

	Construction Grout	Conbextra GP	Conbextra C	Conbextra HF	Conbextra Deep Pour	Conbextra HES	Conbextra HS	Conbextra CB	Conbextra UW
Description	General purpose, Class A shrinkage compensated grout. Maximum aggregate size is 0.3mm.	General purpose, high flow, Class A shrinkage compensated grout. Maximum aggregate size is 0.7mm.	General purpose, flowable, dual shrinkage compensated cementitious grout. Maximum aggregate size is 0.3mm.	Highly fluid, dual shrinkage compensated precision, cementitious grout. For free flow precision grouting. Maximum aggregate size for pumping is 2.5mm.	Flowable, shrinkage compensated precision cementitious grout for large volume and deep pours. Maximum aggregate size is 5mm.	High early strength, rapid setting, free flowing, cementitious precision grout. Maximum aggregate size is 5.0mm.	High flow, high ultimate strength, dual shrinkage compensated, precision cementitious grout. Maximum aggregate size for pumping is 1.0mm.	Highly flowable, high strength, shrinkage compensated cable bolting grout.	Formulated anti-wash out, free flowing grout for underwater applications. Maximum aggregate size is 0.3mm.
General advantages	Economical.	Good compressive strength. Suitable for Potable water - complies to AS/NZS 4020.	Good flowability, dual shrinkage compensated.	High flow, dual shrinkage compensated.	Minimises segregation and bleeding for deep pours.	High early strength.	High ultimate strength.	Very fine, for small gaps.	Anti-washout.
Technology	Cementitious	Cementitious	Cementitious	Cementitious	Cementitious	Cementitious	Cementitious	Cementitious	Cementitious
Typical applications	General purpose grouting of voids or between a baseplate and substrate such as stanchion baseplates.	General purpose grouting of voids or between a baseplate and substrate such as stanchion baseplates. Can also be used for anchoring a wide range of fixings such as masts and anchor bolts.	General grouting of baseplates and soleplates of machines, structural steel column baseplates, voids between precast concrete and infilling blockwork	Critical machine baseplates, sole plates and columns, joints between pre-cast concrete panels, pumped grouting applications, and grouting applications where pouring access is restricted.	Large volume, deep section grouting.	Wide range of applications where rapid strength gain is a prerequisite.	Baseplates and soleplates of large machines subject to moderate dynamic loads, crane rail soleplates, precast wall panels, beams, columns and bridge bearings.	Backfilling behind concrete tunnel segments, bottom up cable bolt grouting applications and general civil applications.	Underwater or tidal zone applications including bridge columns, quay pillars, concrete piling, slipways and dams.
Gap size	10mm to 100mm	10mm to 100mm	10mm to 100 mm	10mm to 125mm	20mm to 500mm	15mm to 150mm	10mm to 125mm	N/A	10mm to 80mm above water 10mm to 150mm below water
Class A or A&C	Class A	Class A	Class A&C	Class A&C	Class A&C	Class C	Class A&C	Class A	Class A
Application method	Dry pack, trowel, pour or pump.	Dry pack, trowel, pour or pump.	Dry pack, trowel, pour or pump.	Pump or pour.	Pump or pour.	Pump or pour.	Pump or pour.	Pump or pour.	Pump or pour.
Chemical resistance	Not resistant to acids - use epoxy grouts	Not resistant to acids - use epoxy grouts	Not resistant to acids - use epoxy grouts	Not resistant to acids - use epoxy grouts	Not resistant to acids - use epoxy grouts	Not resistant to acids - use epoxy grouts	Not resistant to acids - use epoxy grouts	N/A	N/A
28 day strength @20°C dependent on consistency (cube samples)	53-65MPa	65-75MPa	55-70 MPa	60-77MPa	60-65 MPa	50-58MPa	85-100MPa	75-100 Mpa	53MPa
Flexural Strength (modulus of rupture) @ 28 days	8.5MPa	13.6MPa	9.6 Mpa	10.0MPa	7.5 MPa	6.5MPa	13.7MPa	N/A	8.8MPa
Indirect tensile strength @ 28 days	6.0MPa	6.1MPa	4.8 MPa	4.7MPa	4 MPa	3.0MPa	7.0MPa	N/A	4.1MPa
Flow characteristics @20°C (depending on gap size) (flow trough)	400-600mm	400 - 600mm	400-600 mm	Flow cone 19-25 seconds	500 mm	350mm	600mm flow cone 10 - 30 seconds	Free flowing	400mm
Service temperature	>200°C	>200°C	>200°C	>200°C	>200°C	>200°C	>200°C	>200°C	>200°C
Pot life @20°C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Set time	7 hours	7.5 hours	7.5 hours	7.5 hours	9 hours	50 mins	5 hours	7.5 hours	7.5 hours
Pack size	20kg	20kg	20kg	20kg	20 kg	20kg	20kg	15kg	20kg
Yield - depending on consistency	10.4-10.8L/bag	10.6-10.8 L/bag	10.4-10.8L/bag	10.4-10.9L/bag	10L/bag	10.0-10.2L/bag	9.8-10.1L/bag	9-10L/bag	11.6L/bag
Product code	FC501000-20KG	FC501020-20KG	FC501040-20KG	FC501050-20KG	FC501070-20KG	FC501060-20KG	FC502000-20KG	FC501087-15KG	FC501030-20KG

Please always refer to the product TDS before making your final selection or speak to your Fosroc representative.

Grouts Product Guide

	Renderoc BB	Conbextra BB92	Conbextra TA	Conbextra EP10	Conbextra EP65 Plus	Conbextra EP120	Conbextra EP300 DP	Conbextra EP935
Description	High strength gain, low shrinkage mortar for the installation of elastomeric bridge bearings.	Ultra-high performance grout specifically designed for structural grouted connections for wind turbine foundations, and, oil and gas installations.	Conbextra TA is a ready to use cementitious grout, formulated for grouting the structural transition pieces of on-shore wind turbine foundations.	Highly fluid, two-part epoxy grout for heavy dynamic/ repetitive or mobile load applications.	Highly fluid, solvent-free, rapid hardening, ultra high strength, two-part epoxy grout. For heavy dynamic/ repetitive or mobile load applications.	Low exotherm, two-part epoxy grout for dynamic/repetitive load applications. Suitable for large volume pours and application at high ambient temperatures.	Low exotherm, three-part epoxy grout for dynamic/repetitive load applications. Suitable for large volume pours, wide gaps and application at high ambient temperatures.	Two-part, free flowing, water displacing epoxy grout for underwater grouting applications.
General advantages	Formulated to meet road authority requirements.	Specialised grouting of wind turbine towers.	Specialised grouting of wind turbine towers.	Very fluid, unfilled epoxy.	High compressive and tensile strength.	Low exotherm for larger volume grouting and hot climates.	Low exotherm for larger volume grouting and hot climates.	Anti-washout.
Technology	Cementitious	Cementitious	Cementitious	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy
Typical applications	Bearing mortar for the installation of elastomeric bridge bearings.	Connections for onshore wind turbine foundations, non-structural offshore foundation connections, and segmental concrete wind towers. Suitable for Potable water - complies to AS/NZS 4020.	Wind turbine connections.	Reciprocating machinery, testing equipment, heavy crane and transporter rails, high speed turbines, centrifuges and drop forges. Ideal for use in steelworks, refineries, electroplating works and chemical plants. Can be used for hairline cracks and pressure injection.	Grouting under baseplates, crane rails, turbines, reciprocating machinery, heavy crane and transporter rails, high speed turbines, centrifuges, drop forges, anchoring of steel bars. Ideal for use in electroplating works and chemical plants.	Reciprocating machinery, testing equipment, heavy crane and transporter rails, high speed turbines, centrifuges and drop forges. Ideal for use in steelworks, refineries, electroplating works and chemical plants. Also used to encapsulate piletops and ensure water tightness.	Reciprocating machinery, testing equipment, heavy crane and transporter rails, high speed turbines, centrifuges and drop forges. Ideal for use in steelworks, refineries, electroplating works and chemical plants. Also used to encapsulate piletops and ensure water tightness.	Underwater grouting work and for the repair of water immersed concrete structures.
Gap size	20mm to 150 mm	10 mm to 150mm	50mm to 250mm	0.1 mm to 10 mm	10mm to 100mm	10mm to 120mm	10mm to 300mm	12mm to 30mm
Class A or A&C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Application method	Trowel or pour.	Pump or pour.	Pump or pour.	Gravity feed, pressure injection	Pump or pour.	Pump or pour.	Pump or pour.	Pump or pour.
Chemical resistance	N/A	N/A	N/A	Resistant to oil, grease, fats, most chemicals, mild acids and alkalis, fresh water and sea water.	Resistant to oil, grease, fats, most chemicals, mild acids and alkalis, fresh water and sea water.	Resistant to oil, grease, fats, most chemicals, mild acids and alkalis, fresh water and sea water.	Resistant to oil, grease, fats, most chemicals, mild acids and alkalis, fresh water and sea water.	Resistant to fresh water and sea water
28 day strength @20°C dependent on consistency (cube samples)	56-79MPa	90-100MPa	*115MPa	83 MPa	125 MPa	80MPa	90MPa	90MPa (7 days)
Flexural Strength (modulus of rupture) @ 28 days	N/A	13 Mpa	16MPa	30 MPa	29MPa (7 days)	25MPa	33MPa	N/A
Indirect tensile strength @ 28 days	N/A	N/A	N/A	15 MPa	15 Mpa 7 days	10MPa	14MPa	N/A
Flow characteristics @20°C (depending on gap size) (flow trough)	N/A	450mm flow trough 700mm brass cone*	N/A	Free flowing	950-2500	Free flowing	Free flowing	Flowable/pumpable
Service temperature	>200°C	>200°C	>200°C	10°C to 45°C	10°C to 55°C	10°C to 55°C	10°C to 55°C	N/A
Pot life @20°C	N/A	N/A	N/A	20 mins	30 mins	3 hours	3 hours	60 mins
Set time	5 hours	5 hours	6 hours	N/A	N/A	N/A	N/A	N/A
Pack size	20kg	25kg	25kg	300ml, 1.5L & 30L 2 component pack	14 litre 2 component pack	14 litre 2 component pack	11.4 litre 3 component pack	8.4 litre 2 component pack
Yield - depending on consistency	10L/bag	12.0L/bag	10.2L/bag	N/A	14L	14L	11.4L	8.4L
Product code	FC300250-20KG	FC524478-25KG	FC524476-25KG	FC523120-300ML pack FC523120-1.5L pack FC523124-5L Hardener of 15L pack FC523125-10L Base of 15L pack	FC524460-11.5L Base FC524470-2.5L Hardener	FC522333-11.3L Base FC522444-2.7L Hardener	FC500547-2.7L Base FC500545-860ML Hardener FC500546-20KG Filler	FC520010-6.65L Base FC520015-1.75L Hardener

Please always refer to the product TDS before making your final selection or speak to your Fosroc representative.

Product Selector

Grouts

This selector is a general guide only, please contact your Fosroc Representative for more information.

Suitable for:	Construction Grout	Conbextra GP	Conbextra C	Conbextra HF	Conbextra Deep Pour	Conbextra HES	Conbextra HS	Conbextra CB	Conbextra UW	Renderoc BB	Conbextra BB92	Conbextra TA	Conbextra EP10	Conbextra EP65 Plus	Conbextra EP120	Conbextra EP300 DP	Conbextra EP935
Anchoring – anchor bolts / steel bars													■	■	■		
Baseplates – high dynamic load													■	■	■	■	
Baseplates – moderate dynamic load				■	■		■						■	■	■	■	
Baseplates – static load	■	■	■	■	■	■	■										
Bridge bearings										■							
Cable bolts								■									
Chemical plants / refineries													■	■	■	■	
Offshore wind turbines – non-structural connections											■	■					
Onshore wind turbines – structural connections											■	■					
Pilecaps																■	
Precast panel support / infill	■	■	■														
Reciprocating machinery, drop forges													■	■	■	■	
Segmental wind towers											■						
Stanchion supports	■	■	■														
Underwater / tidal zones									■								■

Please always refer to the product TDS before making your final selection or speak to your Fosroc representative.

	Epoxy	Cementitious
General Technology Advantages	<ul style="list-style-type: none"> • Chemical resistance • Acid resistant • Good for dynamic/repetitive loads 	<ul style="list-style-type: none"> • High service temperature • Good for static loads • More economical than epoxy
General Technology Limitations	<ul style="list-style-type: none"> • More expensive • Generally more exothermic so pour size can be limiting 	<ul style="list-style-type: none"> • Lower tensile strength than epoxy



FUTURE PROOF

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