



ROCKBOND
CONSTRUCTION GUIDE



ADDING LIFE TO CRITICAL INFRASTRUCTURE

Rockbond is a innovative industry leader specialising in the enhancement, strengthening, and remediation of critical infrastructure in the marine and civil sectors.

With an unwavering commitment to reliability and resilience, Rockbond provides cutting-edge technologies and state of the art methodologies to strengthen vital structures across New Zealand, the Pacific Islands and Australia.

Rockbond's expertise lies in providing long-life solutions that sustain the integrity and durability of infrastructure, ensuring it withstands the test of time and the forces of mother nature!

Through a combination of technical expertise and a dedication to excellence, Rockbond stands on its own in the space of infrastructure remediation, safeguarding essential assets and adding decades of life to heritage structures.

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STRUCTURAL GROUTS

Rockbond's high strength structural grouts are designed to combine excellent mechanical strengths with flowability making them ideal for a wide range of void filling applications. These are the products of choice for filling drossbachs, grouting in starter bars and tilt panels and numerous other construction uses.

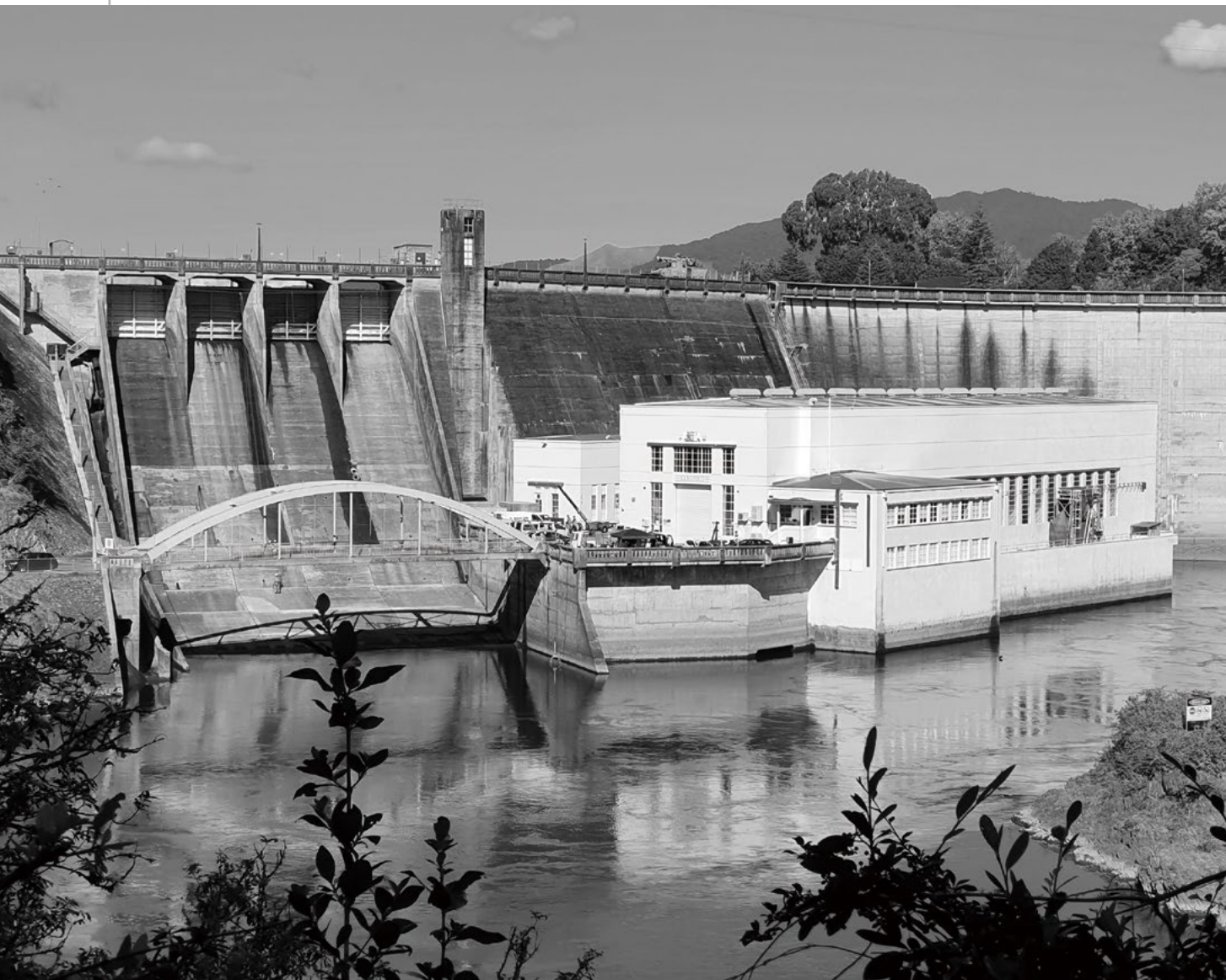
1.04	GP GROUT-PLUS	High strength shrinkage compensated GP grout (75 MPa in 28 days)	25kg 
1.08	SUPER FLOW GROUT	High strength extremely fluid cementitious grout (90 MPa in 28 days)	25kg 
1.10	SUPER STRENGTH GROUT	Ultra high strength grout for demanding applications (120 MPa in 28 days)	25kg 
5.03HF	PUMPING GROUT HF	Highflow pumping grout for large voids and pumping long distances.	20kg 



MICRO CONCRETE & OTHER GROUTS

Whether it is a pourable micro concrete for deep voids or boxed repairs, a high flow pumpable grout, or grouts with varying densities for different applications Rockbond has the product to fit the application.

1.06	REPAIR CONCRETE	Pumpable micro concrete for deep voids & retrofitting	25kg 
5.05	SUPER DENSITY GROUT	Extra high density 80MPa Grout, 6000kg/m ³	25kg 
5.07	LIGHTWEIGHT GROUT	Premixed lightweight 50MPa Grout, 1800kg/m ³	25kg 



REPAIR MORTARS & PRIMER

The Rockbond Range of high strength mortars are used extensively in concrete repair, seismic upgrade projects and speciality pointing applications.

1.01	REPAIR MORTAR	Super strong hi-build mortar sets at 60MPa	25kg 
1.12	WATERPROOF MORTAR	A waterproof cementitious repair mortar & render coat.	25kg 
1.18	HERITAGE MORTAR	A waterproof cementitious repair mortar designed for heritage buildings.	25kg 
7.15	LATEX CONCENTRATE	Plaster Improver, bonding agent and primer.	5ltr  20ltr  200ltr 



FAST SETTING GROUTS & MORTARS

These fast-setting products are designed for concrete repair applications where time is critical or where low ambient temperatures would otherwise slow set times.

2.28	RAPID REPAIR	17 Minute set cementitious mortar that achieves 45 MPa in 28 days.	20kg 
3.03	FASTRACK ACCELERATED CEMENT	High early strength cement. Achieves 10MPa in 2 hours.	25kg 
3.09	FASTRACK SUPER ACCELERATED MORTAR	High early strength cementitious mortar. Achieves 5MPa in 1 hour, 10MPa in 2 hours	4kg  25kg 
3.07	FASTRACK ACCELERATED GROUT	Very fast setting 80MPa grout that achieves 30MPa in 2 hours @20degC.	10kg  25kg 
3.08	FASTRACK ACCELERATED CONCRETE	Pourable micro concrete that achieves high early strength in cold conditions, 10MPa in 2 hours @5degC.	25kg 



THIXOTROPIC GROUTS

Rockbond's Thixotropic Grouts are designed to be readily pumped, yet thicken and don't flow once pressure is released. Great for overhead grouting and significantly reducing grout loss in fractured ground.

5.03	THIXOTROPIC GROUT	40MPa thixotropic grout that has a long working time.	20kg 
5.03HES	THIXOTROPIC GROUT	High early strength thixotropic grout that achieves 30MPa in 24 hours.	20kg 



DRY-SPRAY PRODUCTS

These high strength dry spray products are used in concrete spraying applications where a great bonding low slump impermeable result is required.

1.02HS SPRAYED CONCRETE HS

60MPa shrinkage compensated high-density fibre reinforced Gunite.

25kg 

1T 

1.11 DRY-SHOT MORTAR

60MPa fibre reinforced dry-spray mortar that produces an excellent finish.

25kg 

1T 



UNDERWATER REPAIR PRODUCTS

High strength grout and concrete repair products for marine environments.

4.01	UNDERWATER MORTAR	50MPa cementitious repair mortar for coastal, off-shore and underwater applications.	25kg							
4.03	UNDERWATER GROUT	60MPa structural grout for underwater grouting applications and pile sleeve grouting.	25kg							
4.04	UNDERWATER CONCRETE	60MPa pumpable micro concrete for pile retrofitting and general underwater applications.	25kg							
8.07	EPOXY MORTAR UW	Heavy duty 2-part high-strength mouldable epoxy mortar that is specifically designed for underwater applications.	8kg							
8.01	290/190 EPOXY GROUT	High strength pourable epoxy grout	4ltr		8ltr		24ltr		534ltr	



RENDER COATS & FINISHING COMPOUNDS

High spec cosmetic repair products for rendering, bagging and skim coating.

1.12F WATERPROOF RENDER

A high adhesion polymer modified cementitious render coat.

20kg 

7.04 FAIRING COAT

Polymer modified fine finishing compound. Colour matched to new concrete

20kg 



EPOXIES

Rockbond's range of structural epoxy solutions includes crack injection resins, epoxy grouts and high strength epoxy mortars for concrete repair.

8.00	290/190 EPOXY INJECTION RESIN (2 PART)	High strength epoxy injection resin that is very fluid and penetrating.	2ltr	4ltr	12ltr
8.01	290/190 EPOXY GROUT (3 PART)	High strength pourable epoxy grout	4ltr	8ltr	24ltr 534ltr
8.03	290/190 EPOXY TIE COAT (3 PART)	High strength epoxy tie coat for concrete screeds and mortars	2.5ltr	5ltr	15ltr
8.04	EPOXY MORTAR (2 PART)	Heavy duty high-strength mouldable epoxy mortar system for both above and below water applications.	2ltr	8ltr	20ltr
8.09	EPOXY RMT	A trowel-able, thixotropic, structural two-component adhesive repair mortar.		8ltr	20ltr



FLOOR SCREEDS & FLOOR REPAIR

Rockbond's range of hardwearing flooring products cover the field from initial repair to final painting or sealing.

2.06	INDUSTRIAL FLOOR SCREED	Semi self-levelling screed for hard wear areas	20kg 
2.08	TRU LEVEL ECONOPRO PLUS	Self-smoothing cementitious underlayment screed.	20kg 
8.20	4034 RAPID REPAIR KIT	Ideal for cool stores, and crack and joint repairs in factory floors.	2ltr  10ltr  40ltr 



ACCELERATING & RETARDING ADMIXTURES

Rockbond manufactures both liquid and powder admixtures for accelerating and retarding cementitious mixes.

6.03	ACCELERATING POWDER (A301)	Rapidly accelerates the early strength development of grout, concrete & mortar.	10kg 	25kg 	
6.10	CC ACCELERATOR	Initial set accelerator		200ltr 	
6.11	CF ACCELERATOR	Chloride free accelerator for concrete	20ltr 	200ltr 	1000ltr 
6.18	CONCRETE RETARDER	Liquid Retarding Admixture for Concrete and Grout	20ltr 	200ltr 	1000ltr 
6.21	CEMENT ACCELERATOR	Rapid accelerating admixture for cements and mortars in drainage applications.	20ltr 	200ltr 	1000ltr 



PLASTICISING ADMIXTURES

Our range of Plasticising admixtures are used in the industry to produce stronger, better flowing material that is easier to work with and control.

6.00	SUPER PLASTICISING POWDER (A201)	Water reducing admixture for grouts & concretes	10kg 	25kg 	
6.15	SUPER PLASTICISER	Concrete plasticiser	20ltr 	200ltr 	1000ltr 
6.16N	HYPER-PLASTICISER	Maintains flowability and allows major water reduction of over 30%	20ltr 	200ltr 	1000ltr 



OTHER ADMIXTURES

Waterproofing, expanding, densifying and more. Rockbond has an admixture that will do the job.

6.01	A220 ADMIX	Expanding & plasticising admixture for grouts	x12 1kg
6.07	FLY ASH CLASS F	High grade Class F Fly Ash for improving the workability and strength of concrete.	1.4T
6.08	A1501 MICROSILICA	Additive for improving strength and abrasion resistance	25kg
6.09	A2201 ADMIX	Stabilising powder admix for underwater grouts and flowing concretes.	25kg
6.30	A101 ADMIX	Thixotropic admixture for grouts, mortars & concrete	10kg
6.31	A901 ADMIX	Shrinkage compensating powder admix to reduce cracking.	25kg
6.35	A2101 ADMIX	Stabilising powder admix for underwater mortars.	25kg



CONCRETE CURING COMPOUNDS & ANTI-VAP

Quality products to minimising shrinkage cracking and assist in the production of top quality slabs.

7.10	SLABCURE	A Silicate based curing compound for concrete	20ltr 	200ltr 	1000ltr 
7.11	MEMBRANE CURE	Liquid curing membrane for cementitious materials	20ltr 	200ltr 	1000ltr 
7.12	SUPA-CURE	Wax curing membrane for cementitious materials	20ltr 	200ltr 	
7.27	EVAPORATION RETARDER	Water based compound for control of shrinkage cracking	20ltr 	200ltr 	1000ltr 



SURFACE RETARDERS

For producing the perfect exposed aggregate driveways and paths, or for mechanical joints. Rockbond's surface retarders are market leaders.

7.16	SURFACE RETARDER	Water based concrete surface retarder	20ltr 	200ltr 
7.17	SURFACE RETARDER PLUS	Water based concrete surface retarder for 20-40MPa concrete	20ltr 	200ltr 
7.17EX	SURFACE RETARDER-PLUS EXTRA	Water based concrete surface retarder for concrete over 40MPa	20ltr 	200ltr 
10.71	BETOPRO MN2650	Brush on surface retarder paste for construction joints (suitable for >40mpa)	10ltr 	



RELEASE AGENTS

Rockbond is a leading supplier of concrete release agents to the precast and construction industries.

7.18 FORM RELEASE	Chemical release agent for concrete	20ltr  200ltr  1000ltr 
7.30 BIO-LEASE	Environmentally friendly oil-based release agent	20ltr  200ltr  1000ltr 
10.60 ECORATIO BETOPRO 570	Environmentally friendly waterbased release agent	20ltr  200ltr  1000ltr 
10.65 BETOPRO WX-G	Special release agent wax for the removal of inserts	10ltr 



STEEL PROTECTION

Rockbond has a range of steel protection primers with our two most common products shown below.

1.00 PRIMER FOR STEEL

Anti corrosion protection for steel

4kg 

20kg 

2.27 MULTI-COTE

A high performance durable coating system for concrete and steel.

10ltr 

20ltr 



CLEANERS & MASKING AGENTS

This range of products includes concrete dissolvers, masking agents and precast mould cleaners.

10.14EX CRETE BLASTER EXTRA

Non DG and safe to use concrete remover

20ltr 

200ltr 

1000ltr 

10.43 ECOMASK

Water based environmentally-friendly spray on masking agent that is great for protecting equipment.

20ltr 

200ltr 



SEALANTS

Rockbond's sealants are used widely in the Precast, tilt slab and construction industries.

11.02 PRO-FLEX 50FC	One component fast cure high performance joint sealant.	600ml 
11.06 U-SEAL 816	One part polyurethane fuel resistant joint sealant.	600ml 
11.07 FIREPRO FR SEALANT	Fire-rated acrylic sealant.	600ml 
11.27 PU PRIMER	Liquid Penetrating Primer for Sealants.	1ltr 



WATERSTOP

Rockbond supplies a full range of waterstop systems including PVC waterstops, hydrophilic waterstops, and a caulking grade waterstop. We have a wide range of other waterstop and sealant solutions available.... contact our technical team.

11.51	HYDROTITE CJ-0725-3K-AD-EX	Hydrophilic Rubber Waterstop 20mm x 2mm.	10m 
11.52	HYDROTITE DSS-0220-PF-AD-EX	Hydrophilic Rubber Waterstop 25mm x 7mm.	10m 
11.01	LEAKMASTER WATERSTOP	Caulking Grade Hydrophilic Waterstop.	320ml 
PVC- WS	PVC WATERSTOP	Full range of standard PVC Waterstop profiles available.	10m 
11.53	HYDROTITE CJ-1020-2KAD-EX	Chloroprene rubber hydrophilic waterstop.	10m 
11.54	HYDROTITE CJ-0720-3K-AD-EX	Hydrotite CJ-0720-3K-AD-EX 10mt Roll.	10m 



CHEMICAL ANCHORS

FREE Design Software available on our website

8.50-585 Epoxy 600 C2 Seismic Chemical Anchor 585ml 

8.52-T-MIX Single Mixing Nozzle for HY200 C2 Anchor

8.50-SEM Single Mixing Nozzle for 600 C2 Anchor

8.55-585-G Battery Dispensing Gun for 585ml Cartridge

8.52-420 Epoxy HY200 C2 Seismic Hybrid Anchor 420ml 

8.56-380-G Battery Dispensing Gun for 420ml Cartridge



BETONAMIT

This revolutionary blast-free cracking agent will break up reinforced concrete and rocks, silently, in 24 hours.

9.01 BETONAMIT

Explosion free demolition agent

5kg 

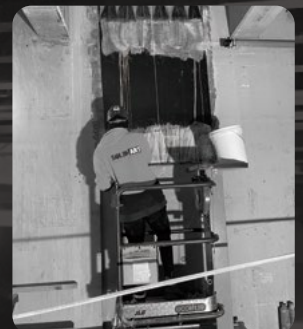
CATHODIC PROTECTION

Cathodic protection for concrete structures stands as a ground-breaking solution in safeguarding critical infrastructure against corrosion. This innovative technology mitigates the effects of corrosion on reinforcing steel within concrete. By employing sacrificial anodes or impressed current systems, cathodic protection creates a protective electrical field that halts the corrosion process, significantly extending the lifespan and structural integrity of concrete structures. Rockbond offer a complete solution from design and supply through to training, site support and QA.



FRP SYSTEMS

FRP (Fibre Reinforced Polymer) wet layup strengthening systems represent a transformational and versatile solution for the seismic strengthening of critical infrastructure. Offering flexibility in design and application, FRP wet layup systems provide tailored solutions for increasing load-bearing capacities, restoring structural integrity, and reinforcing infrastructure elements. The adaptability of this method of strengthening makes FRP a preferred choice for strengthening bridges, buildings, and other critical structures, ensuring prolonged service life and resilience against external forces.



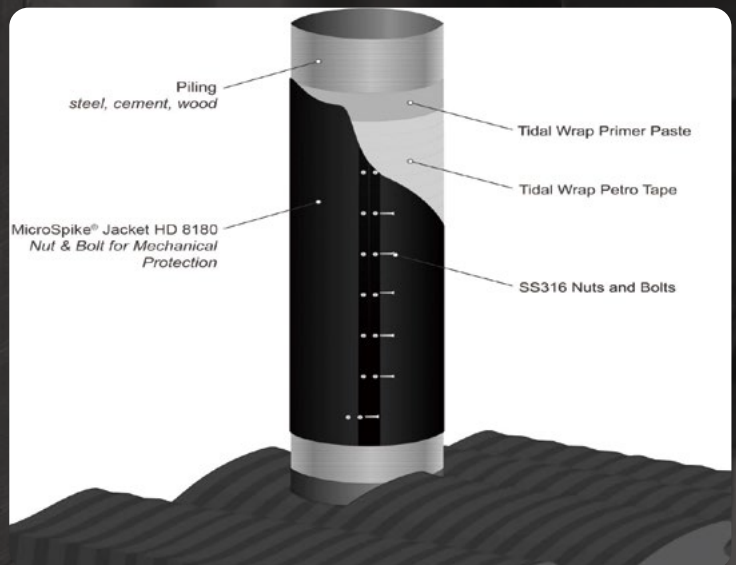
PILEMEDIC®

The PileMedic® Pile Repair System is an innovative and cutting-edge solution designed to rehabilitate and reinforce deteriorated or damaged piles. This system utilises an advanced FRP laminate along with high-performance underwater resins and high-strength underwater grout to form a robust and durable jacket that restores the structural integrity of the piles. Offering a non-disruptive, cost-effective, and efficient alternative to traditional repair methods, PileMedic® can be installed quickly and seamlessly, extending the service life of piles in marine structures, bridges and buildings for decades to come.



PILE PROTECTION

Rockbond provide pile protection systems for protecting marine and bridge piles against corrosion and environmental degradation. Pile protection systems provide a resilient barrier around piles, shielding them from harsh marine elements such as saltwater, abrasion, and teredo worm. With a focus on durability and longevity, Rockbond's pile protection system offer cost-effective and easy-to-install solutions, that can be installed on timber, steel or concrete, any shape or size.



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Freephone 0800 76 25 26 to obtain a solution to your concrete problem from our experienced team.

ROCKBOND

WE'LL MAKE YOUR JOB EASIER!

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