

The background of the entire page is a dark, high-contrast photograph of three large industrial silos. The silos are cylindrical with horizontal bands and are surrounded by a network of metal ladders and walkways. The lighting is dramatic, with the silos appearing as bright shapes against a dark sky and some foliage visible at the base.

ROCKBOND
STRENGTH IN CONCRETE

PRODUCT GUIDE

READY MIX INDUSTRY



ABOUT ROCKBOND

STRENGTH IN CONCRETE

Rockbond is a privately owned and operated business that was founded in 1996. The founders saw a niche in the New Zealand market for technically advanced yet affordable technology in the concrete industry. Their knowledge of structural engineering and the properties of concrete helped them to come up with a range of products the market needed.

They entered into an agreement with Rockbond in the UK to manufacture a wide range of products, and custom develop products to suit New Zealand industry requirements.

Utilising 40+ years of concrete knowledge for the UK and 30+ years of concrete knowledge in New Zealand, we have developed a comprehensive range of products that incorporate the latest technology and are very cost effective.

Over time, and with many changes to the concrete industry, Rockbond has kept ahead with new products and technology, cementing their place as a key supplier to the New Zealand construction industry.

CUSTOMER SERVICE

Our Company Vision,

To be the preferred supplier of concrete additives, concrete repair & surface preparation products to the precast & construction industries in New Zealand,

both inspires our team to be the best in our field, and keeps us focused on providing world-class technical support and service to our key clients in the precast & construction industries. Rockbond is proud to be supplying products, both nationally and internationally, to companies that range from owner operators to multi-national corporations.

With change has come the expectation that service is paramount. Rockbond has risen to the challenge, making sure that our customers have the products that they need when they need them.

Rockbond's head office is based in Wellington, with distribution facilities in both Auckland and Christchurch. We believe that 'Stock is King', so we've put the stock where it's needed!



MANUFACTURING & DISTRIBUTION

Stringent quality control is the hallmark of our manufacturing division. Most of Rockbond's range is manufactured right here in New Zealand and all products that we don't manufacture are sourced from leading overseas manufacturers.

Rockbond's products are packaged in a wide range of size options to meet the needs of our customers and minimise onsite wastage.

We sell nationwide and to the Pacific Islands, and pride ourselves in delivering on time everytime!

Rockbond is an innovative manufacturing company that remains independent and flexible, giving you a guarantee of excellent service and the assurance that proprietors are fully involved in day-to-day operations.

LIQUID PRODUCTS



5 Ltr



20 Ltr



200 Ltr



1000 Ltr



1 kg



4 kg



10 kg



20 kg



25 kg



PG 4 /// CONCRETE ADMIXTURES

SET ACCELERATING ADMIXTURES FOR CONCRETE

Rockbond's set accelerating admixtures for concrete are used in concrete mixes when there is a need to accelerate the initial set time of the concrete. Some of the typical applications are:

- In concrete to avoid construction delays
- In colder temperatures where setting times are crucial
- In tidal areas where wave actions are unpredictable
- In the precast industry to speed up mould turnaround time
- In time critical projects e.g., plant shut-downs, treatment plants, construction deadlines, etc

6.10 CC ACCELERATOR

Calcium Chloride accelerator.
2-5% by weight of cement



20ltr



200ltr



1000ltr

6.11 CF ACCELERATOR

The favorite of concrete manufacturers. Reduces mould turnaround time in winter. No chlorides which makes it suitable for reinforced concrete. 2-5% by weight of cement



20ltr



200ltr



1000ltr





CONCRETE ADMIXTURES /// PG 5

WATER REDUCING CONCRETE ADMIXTURE

Rockbond's water reducing admixture is a high range liquid plasticiser which has been specially formulated to improve workability and at the same time allow a reduction in the total water content for and concrete. Typical uses for Water Reducer are:

- To decrease the water content of cementitious materials and reduce long-term shrinkage
- To maximise ultimate tensile, compressive and mechanical strengths.
- To produce chemically resistant, durable grouts and concrete.
 - To increase workability
- For concreting in hot weather.
- To improve surface finish



6.13 WATER REDUCER

Reducing water with increase strength.
600-1000ml/m³



20ltr



200ltr



1000ltr



PG 6 /// CONCRETE ADMIXTURES

AIR ENTRAINING ADMIXTURE FOR CONCRETE

Rockbond's Air Entrainer has been formulated for use in concrete where the air content has been difficult to maintain. Rockbond Air Entrainer is extremely durable when subject to the effect of freeze/thaw cycles and has an exceptional resistance to sea and alkaline water sulphates. Typical uses for Air Entrainer are:

- Lightweight and prestressed concrete.
- Readymix, Precast, & Block Plants
- Flowable and low slump concrete.
- Most forms of low to medium strength structural concrete

6.19 AIR ENTRAINER

A great all-purpose Air Entrainer.
40-160ml/ 100kg cement



20ltr



200ltr



1000ltr





CONCRETE ADMIXTURES /// PG 7

SET RETARDING CONCRETE ADMIXTURE

Rockbond Retarder is a water-soluble chemical admixture which temporarily delays the initial set of concrete but has no detrimental effect on the overall end result of the mix. Rockbond Retarder reduces the chance of cold joints and also the risk of wasted concrete due to project or transport delays. Typical uses for Rockbond Retarder are:

- Concreting in hot weather when the normal setting time is shortened by higher temperatures.
- Long distance travel between the plant and the site.
- Large pours where you will have an extended initial set time
- Difficult placing conditions



6.18 CONCRETE RETARDER

Slows down initial set for longer distance travel and for greater workability in hot weather. 100-500ml/ 100kg cement



20ltr



200ltr



1000ltr



PG 8 /// CONCRETE ADMIXTURES

SUPERPLASTICISERS FOR CONCRETE

Rockbond have two popular high range superplasticisers that have been specifically formulated to achieve a major increase in workability and at the same time allow large water reductions to be made to the mix. Rockbond Hyper-Plasticiser allows water reductions of over 30%. Typical uses for Rockbond Superplasticisers are:

- To maintain the workability of concrete in hot dry conditions.
- Allows substantial improvement to flowability of concrete without increasing water content.
- Ideal for the effective filling of columns, narrow components and where reinforcing hinders flow.
- Imparts necessary flowability to grouts used in deeply drilled holes for anchoring purposes.
- Hyper-Plasticiser is used to produce self-compacting concrete mixes

6.15 SUPER-PLASTICISER

Maintains flowability and allows water reduction of 25-30%. 1-3lt/ m³



20ltr



200ltr



1000ltr

6.16N HYPER-PLASTICISER

New generation high-range PCE superplasticiser. Very popular for producing self-compacting concrete. 200-600ml/ m³



20ltr



200ltr



1000ltr





POWDER ADDITIVES /// PG 9

EXPANSION AGENT FOR GROUTS & BLOCK FILLING

Rockbond A220 powder is a specially formulated expansion agent for grouts and block filling. A220 contains an expanding additive, super-plasticising and anti-bleed agents. The admixture also contains a stability aid for high-flow materials. A220 has been formulated to eliminate shrinkage and provide positive expansion between placement and the initial set of the grout. The admixture is packaged in boxes of 12 x 1kg water-soluble bags that can simply be added to the concrete truck when it arrives at site. Typical uses for Rockbond A220 are:

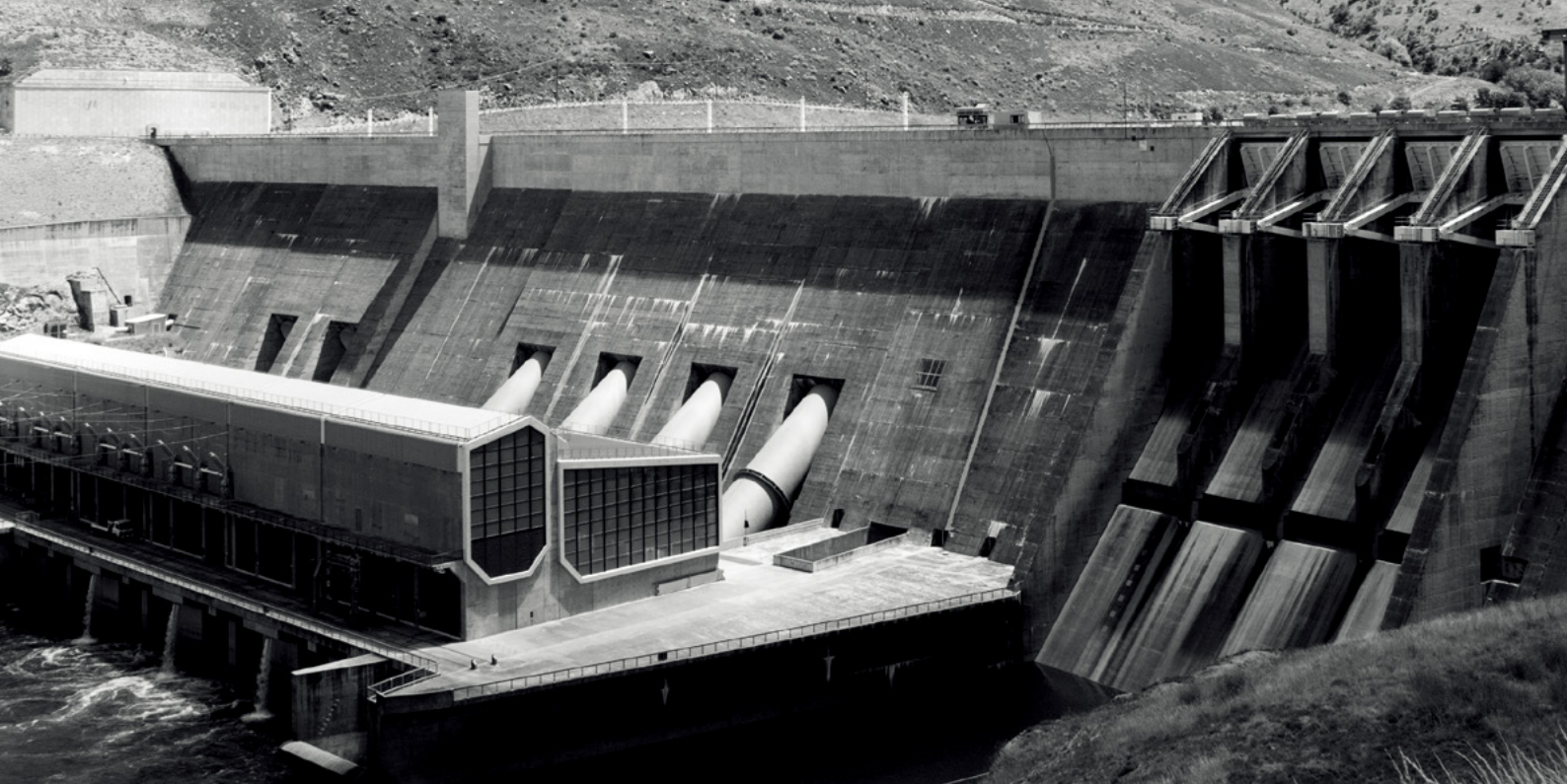
- As an expansion agent for block fill grout (1kg per m³).
- To produce homogeneous flowing, cementitious grouts, mortars and concretes.
- To effect positive expansion and reduce settlement in cementitious materials.
- To penetrate and fill voids in rubble, rock, masonry, brick and concrete.
- To fill cables and ducts, holding down assemblies.
- To provide contact and load bearing surfaces between structural elements.
- Under structural baseplates, machines baseplates and crane rail tracks.
- Underpinning and stabilising loose floor slabs in paths, carparks and roads.



6.01 A220 EXPANSION AGENT

An expansion agent that helps fill voids and reduces settlement and cracking. 1kg/ m³

 12 x 1kg



PG 10 /// POWDER ADDITIVES

ADMIXTURE FOR WATERPROOFING CONCRETE, MORTARS & RENDERS

Rockbond A702 Waterproof Powder is a blend of waterproofing admixtures that have been specially designed for use with Portland cement concrete, mortars and renders. The admixture, when mixed with cementitious materials, acts as an integral water-proofer reducing the permeability of water through the pores and capillaries of the hardened cement. The admixture is entirely free of chlorides and nitrates. Typical uses for A702 Waterproof Powder are:

- To waterproof precast concrete, and concrete masonry blocks during manufacture.
- To reduce efflorescence in pavers and other decorative concrete products
- To waterproof cement renders and insitu concrete.
- As an integral water-proofer in mortar joins and plaster renders which may be subject to hydrostatic pressure or extreme dampness
- To waterproof water retaining structures, dams, reservoirs, concrete tanks, swimming pools, and water handling and storage facilities.
- To waterproof cementitious repair materials.
- To waterproof mass concrete, structural concrete, concrete foundations, tunnels, culverts and pipes

6.05 A702 WATERPROOF POWDER

Waterproofing admixture that dramatically reduces efflorescence. 2% by weight of cement.



25kg





POWDER ADDITIVES /// PG 11

MICROSILICA & OXIDES

Rockbond stock microsilica powder (silica fume) which when added to concrete radically improves the performance of the material in both its plastic and hardened states. Rockbond also supply a top-quality range of oxides for colouring concrete to perfection.



6.15 MICROSILICA POWDER (A1501)

For high-strength concrete. 7% by weight of cement



25kg

OXIDES

A range of oxides to colour you concrete. Available in; black, dark brown, light brown, burnet umber, red, yellow, marigold, white, green & blue



25kg



PG 12 /// RELEASE AGENTS

FORM RELEASE

Rockbond is a leading manufacturer and supplier of release agents to the construction, precast and ready-mix industries. Ready-mix plants buy Rockbond's Form Release to get a great finish on products made from leftover concrete.

7.18 FORM RELEASE

General purpose chemical release agent for steel moulds and timber formwork. 20-30 m²/litre



20ltr



200ltr



1000ltr





CONCRETE CLEANING, ETCHING & MASKING /// PG 13

CLEANING, ACID ETCHING & MASKING

Rockbond are New Zealand distributors for the famous 'Environmentally Friendly' Crete-Wash product. Crete-Wash removes concrete splashes off almost any surface without damaging the original finish. Rockbond also supply Hydrochloric Acid to the concrete industry for etching and cleaning concrete. Eco-Mask is a water based 'Environmentally Friendly' masking agent that can be sprayed over most surrounding surfaces prior to pouring concrete so that concrete splashes can be easily washed off once the pour is complete.



10.13 CRETE-WASH

Safe to use concrete cleaner that is non-corrosive. Clean concrete splashes of cars, glass, tools, etc



5ltr



20ltr

10.10 HYDROCHLORIC ACID

Spirits of Salts for cleaning & etching concrete surfaces.



20ltr



200ltr

10.43 ECO-MASK

Environmentally Friendly spray-on masking agent.



20ltr



200ltr



PG 14 /// RESALE PRODUCTS

ANTI-EVAPORATION AGENT, SURFACE RETARDERS & CURING COMPOUNDS

Rockbond manufacture a range of surface treatments for the construction industry that are available at wholesale rates for our ready-mix customers to on sell to their clients.

7.27 EVAPORATION RETARDER

Stops cracking in hot or dry weather while concrete is still being worked. Dilute 1:4, apply 10 m²/litre



20ltr



200ltr

7.16 SURFACE RETARDER

For exposed aggregate concrete. 3-5 m²/litre



20ltr



200ltr

7.10 SLABCURE

Sodium silicate-based curing compound with no effect on future coatings. 4-6 m²/litre



20ltr



200ltr



CODE	PRODUCT	SIZE OPTIONS AVAILABLE																	
		Kilogram (kg)						Litre (ltr)											
		1	4	10	15	20	25	2	2.5	4	5	8	15	20	24	200	534	1000	
SET ACCELERATING ADMIXTURES FOR CONCRETE																			
RB 6.10	CC ACCELERATOR														•		•		•
RB 6.11	CF ACCELERATOR														•		•		•
WATER REDUCING CONCRETE ADMIXTURE																			
RB 6.13	WATER REDUCER														•		•		•
AIR ENTRAINING ADMIXTURE FOR CONCRETE																			
RB 6.19	AIR ENTRAINER														•		•		•
SET RETARDING CONCRETE ADMIXTURE																			
RB 6.18	CONCRETE RETARDER														•		•		•
SUPERPLASTICISERS FOR CONCRETE																			
RB 6.15	SUPER-PLASTICISER														•		•		•
RB 6.16N	HYPER-PLASTICISER														•		•		•
EXPANSION AGENT FOR GROUTS & BLOCK FILLING																			
RB 6.01	A220 EXPANSION AGENT	x12																	
ADMIXTURE FOR WATERPROOFING CONCRETE, MORTARS & RENDERS																			
RB 6.05	A702 WATERPROOF POWDER						•												
MICROSILICA & OXIDES																			
RB 6.15	MICROSILICA POWDER (A1501)						•												
	OXIDES						•												
FORM RELEASE																			
RB 7.18	FORM RELEASE														•		•		•
CLEANING, ACID ETCHING & MASKING																			
RB 10.13	CRETE-WASH										•				•				
RB 10.10	HYDROCHLORIC ACID														•		•		
RB 10.43	ECO-MASK														•		•		
ANTI-EVAPORATION AGENT, SURFACE RETARDERS & CURING COMPOUNDS																			
RB 7.27	EVAPORATION RETARDER														•		•		
RB 7.16	SURFACE RETARDER														•		•		
RB 7.10	SLABCURE														•		•		

WE'LL MAKE YOUR JOB EASIER!

OA

7 Te Puni Street
Petone, Wellington, 5012

PA

PO Box 38 526
Wellington, 5045

T

0800 76 25 26 / Freephone
+64 4 568 5401

F

+64 4 568 4580

E

sales@rockbond.co.nz

W

www.rockbond.co.nz

TECHNICAL ADVICE

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

