



Ready Mix Grout Supply

MASTER BUILDERS SOLUTIONS AND BLUEY TECHNOLOGIES



SPECIALISED ENGINEERED PRODUCTS BACKED BY KNOWLEDGE + KNOWHOW

Master Builders Solutions and Bluey Technologies are suppliers of engineered construction products for major civil engineering infrastructure works. We have the engineering edge and experience to help you specify, plan and manage projects seamlessly from beginning to end.

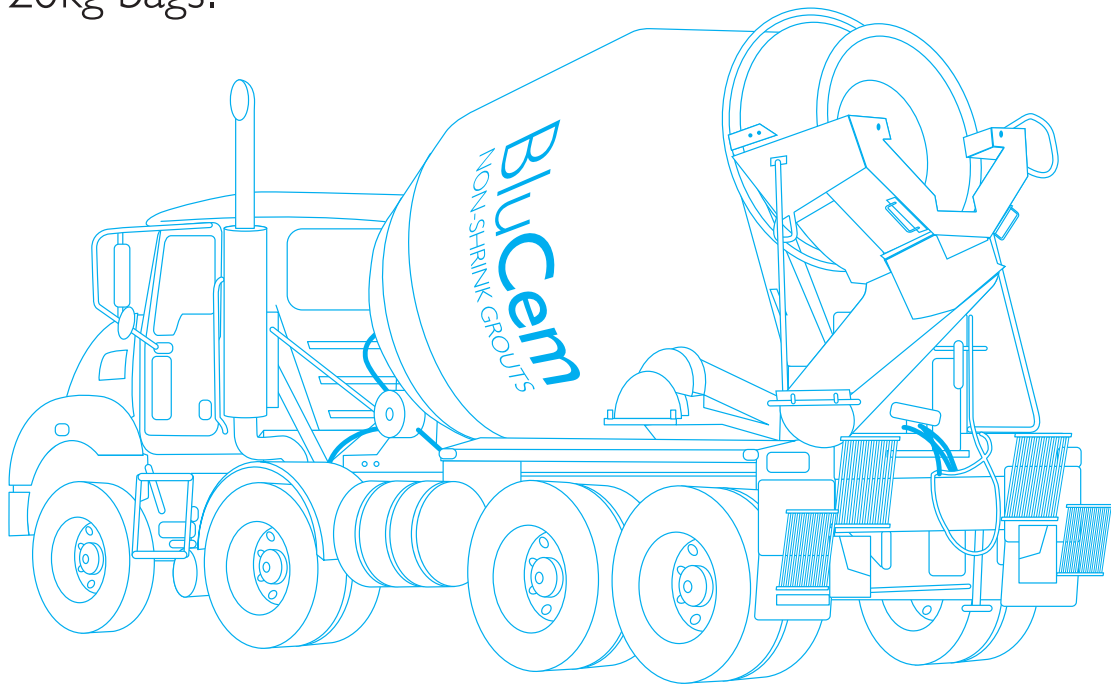
Our collaborative approach means you have a committed and agile partner by your side throughout the entire project.

While we like to think outside the box, our continued focus is always to ensure the job gets done to the highest standards, not only making your life easier but lowering the whole-of-life cost of your project.

Ready Mix Grout Supply

GROUTS

Ready mix grout offers our partners the ability to save time and money by shortening their construction timeline, improving delivery speeds and safety on site. Supplied in this method, the range of speciality non-shrink grouts offer improved quality and reliability compared to what has previously been available in 20kg bags.



By pre-mixing BluCem grouts in concrete agitators at batch plants, we're able to supply products in large quantities on demand, with reduced labour, packaging and human error.

This results in cost savings, removal of mixing of grout on site and decreased project construction timelines.

APPLICATION ADVANTAGES

- Large volume application
- QC Batching on every delivery
- No on-site mixing required
- Reduced emissions and waste

Ready Mix Grout Supply

PRODUCT OUTLINE

BluCem RMX HS200

BluCem RMX HS200: PT cable grout

BluCem RMX HS200 uses the most advanced superplasticisers and suspension agents available to create an exceptionally high-performance fluid grout. The additives allow the grout to be applied in critical applications such as post-tension cable grouting and ensures full encapsulation of the duct without bleed, segregation or presence of voids.

APPLICATIONS

- Rock bolting
- Annulus grouting
- Void filler grouting
- Soil and rock consolidation grouting
- Post tension cable grouting

PRODUCT DATA

- Non-shrink - ASTM C1090
- Greater than 80MPa
- Maximum particle size of 45um
- High fluidity – flow cone <20 seconds
- Zero bleed

BluCem RMX HS80

BluCem RMX HS80: High-strength cementitious grout

BluCem RMX HS80 is a highly fluid, volumetrically stable, Class C grout which has both early and long term shrinkage compensating additives. This allows grout to be placed in critical applications and ensures the elimination of shrinkage cracking or settlement.

APPLICATIONS

- Structural grouting
- Pile jacket grouting
- Annulus grouting

PRODUCT DATA

- Non-shrink - ASTM C1090
- Greater than 80MPa
- Maximum particle size of 1mm
- Slump/flow >650mm
- Zero bleed

BluCem RMX EA55

BluCem RMX EA55: Low thermal resistivity grout

BluCeBluCem RMX EA55 creates low exothermic heat during hydration through its use of slower reacting cements and specially selected thermally conductive aggregates. This allows the product to remain cool during placement of large pours and also allows the grout to effectively transmit heat during service life.

APPLICATIONS

- Encasement of conduit casings
- Long-distance pumping applications
- Bulk grouting where heat dissipation is required
- High voltage cable grouting

PRODUCT DATA

- Compressive Strength 30MPa
- Maximum particle size of <1mm
- Slump/flow >550mm
- Compatible with deep pour applications
- Low heat generation <70°C
- TR Value <0.75

BluCem RMX LH60

BluCem RMX LH60: Deep pour, non-shrink grout/micro concrete

BluCem RMX LH60 creates low exothermic heat during hydration through its use of slower reacting cements and specially selected aggregates. This allows the product to remain cool during placement of large pours.

APPLICATIONS

- Concrete repair
- Footings
- Columns and slabs
- Pile grouting
- Void grouting

PRODUCT DATA

- Non-shrink - ASTM C1090
- Greater than 60MPa
- Maximum particle size of <5mm
- Slump/flow >550mm
- Compatible with deep pour applications

Ready Mix Grout Supply

PRODUCT FEATURES

LARGE VOLUME APPLICATION

Delivering up to 5m³ in a single delivery, concrete agitators allow for significant time and cost savings on-site.

- Significant time saving
- Decreases construction timelines
- Consistent, high quality mixes
- Continuous placement
- Undertake jobs of any size



INCREASED SAFETY

Machinery and human error are two variables that never work well together. By moving all mixing off-site, the chances of serious injury are greatly reduced.

- Less machinery on site
- Reduced handling and human error
- Eliminates dust associated with site batching of packaged products
- Less risk of site injuries



REDUCED ENVIRONMENTAL IMPACT

Out with the buzz words such as 'eco-friendly' and 'green'. We're genuinely committed to reducing our environmental impact. Ready mix supply reduces our effects on the environment in the following ways.

- No dust emissions
- Dissolvable additive bags
- Zero packaging waste
- Less product wastage on-site
- Reduced overall carbon emissions



Ready Mix Grout Supply

PRODUCT BENEFITS

HIGH QC CONTROLS

We understand that trust is built on consistent results. That's why every order of ready mix BluCem grout is batch tested at plants across the country. This ensures the same, high quality grout is delivered at all times, under a wide range of conditions and temperatures.

- Batch Testing
- Weigh batching
- Consistent mix designs
- Local manufacturing
- Fresh products and ingredients



MATERIAL/PLACEMENT SAVINGS

The use of ready-mix delivery provides huge savings to the project in both materials and installation:

- No Mixing on-site – eliminates labour and equipment costs
- Eliminates storage requirements of grout
- Installation is carried out quicker
>40m³/day possible



BESPOKE MIX DESIGNS

Local material sourcing and manufacturing means We can develop special mix designs to meet the project specifications. Customisations include:

- Fast Setting options
- Extended working times
- Low Thermal Resistivity grouts
- Low strength grouts
- Underwater grouts



Master Builders Solutions and Bluey Technologies

BESPOKE MIX DESIGNS

LOW THERMAL RESISTIVITY GROUTS

Our range of engineered low thermal resistivity grouts ensures the safety and efficiency of high priority energy assets and HV electrical cables.

- Highly flowable and pumpable grouts
- Low heat generation during hydration
- Batching in agitators allows for continuous delivery
- Allows designers greater selection of cable sizes and voltage loads
- Very high thermal conductivity (low TR rating)
- Heat dissipation allows higher loads to be placed on the cables



FAST SET SOLUTIONS

Key benefit of our fast set technology is its ability to rapidly accelerate the construction process. The fast set times in conjunction with volumetric mixers allow for precision results to be achieved in time critical environments.

- Assets returned to service in under 2 hours
- Road and Airport Approvals - 100 year design life
- >15MPa in 2 hours
- Long term durability
- Controlled applications in summer and winter



REPAIR MORTARS

We endeavour to offer solutions to repair concrete rather than let asset owners spend more on a complete replacement project. Whether the repair is to increase the structural capacity, improve the durability or even just to upgrade the aesthetics, we have mortars for every application.

- Rapid strength gain
- High build
- Non-shrink
- 100 year design life
- Easy to apply



Mix designs are subject to availability at local plants, please check with your Master Builders Solutions and Bluey Technologies representative for more information.



We deliver...

- Products developed for civil engineering
- Product technical knowledge
- Site application knowhow
- A collaborative approach
- Economical solutions for large projects



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Our products have Government and Regulatory Authority approvals across Australia and New Zealand.

Exclusive Distributors for

