

# BluCem GP60

## CONSTRUCTION GROUT



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### DESCRIPTION

BluCem GP60 is a one component cementitious powder which requires only the addition of water to form a general purpose construction grout.

### USES

BluCem GP60 has been designed as a high strength, low permeability general purpose grout for filling voids that can be dry packed, trowelled, poured or pumped. BluCem GP60 incorporates a gaseous expansion system to compensate for plastic shrinkage and settlement making it suitable for use over a large range of application consistencies and temperatures.

### ADVANTAGES

- High strength, low permeability ensuring durability of grout
- Long pump life for workability
- Wide range of possible applications
- Unique additives to minimise shrinkage and bleed

### MIXING

Measure and place 80% of the specified volume of potable water to the high shear mixing vessel. Start mixer and slowly add BluCem GP60 powder. If powder addition is too fast then large lumps will form and final mix will be slow reaching uniform consistency. Following addition of all powder, mix for 1 - 2 minutes or until uniform consistency then add final 20% of potable water. More or less water may be added within the ratio limits specified on this data sheet. Do not mix more material than can be placed in 20 minutes.

### APPLICATION

BluCem GP60 may be dry packed, trowelled, poured or pumped into place. Substrate surfaces must be free from oil, grease and weakened surfaces. Check formwork for leaks prior to mixing and application of grout. Do not exceed the maximum application thicknesses specified in the data sheet for any wet layer. When pouring BluCem GP60, reduce exposed surface areas to ensure maximum confinement during expansion phase of initial set. Consult Bluey for further information on utilising the plastic shrinkage and settlement compensation system of this product. Consult Bluey for further information about aggregate addition for large volume pours.

### CURING

It is recommended that the final surface finish layer is coated with curing compound or otherwise maintained wet for at least three days.





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#### PRODUCT DATA

<b>Packaging:</b>	20kg bags
<b>Yield:</b>	~9.3 litres per 20kg bag (10% water) ~10.1 litres per 20kg bag (14% water)
<b>Application Thickness:</b>	Refer to Bluey for advice and approval on pour thickness dimensions exceeding 100mm
<b>Pump Life:</b>	90 minutes @ 20°C
<b>Maximum Particle Size:</b>	0.25mm
<b>Set Times:</b>	6 hours @ 20°C
<b>Mix Ratios and Resulting Compressive Strengths:</b>	

Application Type:	Water (litres) per 20kg bag	24 hours	7 days	28 days
Dry Pack	1.8 - 2.0	45MPa	65MPa	80MPa
Trowellable	2.1 - 2.3	35MPa	55MPa	70MPa
Flowable	2.4 - 2.8	25MPa	45MPa	60MPa

<b>Early Expansion:</b>	Positive
<b>Clean Up:</b>	Clean tools and surfaces using water prior to curing
<b>Storage:</b>	Store in dry cool conditions Shelf life is 12 months

#### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative or the contractor is responsible for checking the suitability of products for their intended use.

Product properties are dependent upon seasonal and geographical criteria. Product properties and performance may vary between countries and locations within. We recommend that you clarify your specific requirements with your local Bluey representative to ensure that all specific project requirements are met.

#### NOTE

Field service where provided, does not constitute supervisory responsibility. Suggestions made by Bluey Technologies Pty Ltd either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Bluey Technologies Pty Ltd are responsible for carrying out procedures appropriate to a specific application.

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