

BMS BetterShot

TECHNICAL DATA SHEET

BMS BetterShot is a ready-to-use dry powder formulated as a **sprayed mortar for wet-mix/wet-spray placement** in mining, tunnelling, and civil construction applications.

Engineered for **pumpability, buildability, and adhesion**, BMS BetterShot is a cost-effective and time-saving alternative to conventional shotcretes and gunites.

FEATURES & BENEFITS

- **Versatile Application:** Suitable for vertical, overhead and horizontal sprayed ventilation seals and stoppings, as well as general ground stabilisation and support in underground mines and tunnels.
- **Steady Strength Gain:** Reliable compressive strength development.
- **Minimal Rebound:** Reduced wastage.
- **Safe:** Non-toxic and non-flammable.

TYPICAL APPLICATIONS

- Construction and repair of ventilation seals and stoppings in underground coal mines.
- Ground stabilisation of underground mine roadways, e.g., coal ribs and roof strata.
- Ground stabilisation of civil infrastructure, e.g., tunnel linings, road-cuttings, embankments, etc.
- Concrete mortar repair of civil infrastructure, e.g., bridges, abutments, foundations, marine structures, pipework, tunnels, etc.

TECHNICAL DATA

BMS BetterShot undergoes regular in-house and periodic third-party quality control testing.

Technical Parameter		Water-to-Solids Ratio (w:s)	
		0.150:1	
5-Hour UCS	MPa	1	
1-Day UCS	MPa	15	
3-Day UCS	MPa	25	
7-Day UCS	MPa	30	
28-Day UCS	MPa	45	
28-Day Flexural	MPa	5	
56-Day Flexural	MPa	7	
Fresh Wet Density	kg/m ³	2100	

Note: The stated UCS and flexural strength values are typical of in-house testing conducted on 50 mm cubes and 40x40x160 mm prisms, respectively, mixed using Toowoomba Regional Council potable water at 0.150:1 water-to-solids (w:s), cast in steel moulds, and submerged-cured at 23°C. Performance-based properties, such as strength, gel time, bleed, etc. are highly-dependent on w:s ratios, mixer and pump type, addition of admixtures, and end-user applications.

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PACKAGING

- Typically, 1.2 tonne bulk bags.
- Additional packaging options are available on request.
- All orders include Proof of Dispatch (POD) documentation with batch identification numbers and manufacturing dates for traceability.

SHELF-LIFE & STORAGE CONDITIONS

- **Shelf-Life:** Best used within 6 months from the date of manufacture when stored as recommended. Product may be fit for purpose beyond 6 months, subject to assessment of storage conditions and verification testing of mortar properties.
- **Storage Conditions:** Store unopened and undamaged packages in a cool, dry environment below 30°C. Shelf-life may decrease if exposed to high temperatures and/or high humidity, or external weather conditions.

SAFETY INFORMATION

- Cementitious grout dust is an irritant—avoid inhalation or skin/eye contact.
- Wear protective gloves, clothing, eye and face protection.
- Ensure adequate ventilation during mixing and application.
- In case of contact with the eyes, rinse with running water for 15 mins and remove contaminated clothing.
- Always consult the Safety Data Sheet (SDS) prior to handling or use.
- For detailed safety information, refer to the latest SDS available at www.bmscement.com.

CONTACT INFO

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Important Notice

Always refer to the BMS Specialty Cements website (www.bmscement.com) for the latest Technical Data Sheet (TDS) and Safety Data Sheet (SDS). Please read the SDS carefully prior to using this product. In an emergency, contact any Poisons Information Centre (Phone: 13 11 26 within Australia).

Recommendations and advice provided herein are intended as guidelines only. The manufacturer and affiliated companies shall not be liable for any loss or damage resulting from improper or incorrect use of this product. Product usage is beyond the manufacturer's control; liability is limited solely to the replacement of the material should it be proven defective. While every effort has been made to ensure accuracy and completeness, the manufacturer reserves the right to update or amend product information without prior notice. No express or implied warranty is provided concerning the product's performance or suitability for any specific application.