

BMS MineRoad–Rapid

TECHNICAL DATA SHEET

BMS MineRoad-Rapid is a **rapid-setting, cementitious roadway repair mortar** engineered for underground mining and tunnelling environments. It's purpose-built for quick return-to-service in wet or water-nuisance areas and where conventional concrete mixing equipment is unavailable or impractical.

Designed as a dry-blend to **absorb standing water and achieve rapid early strength with little to no mixing**, BMS MineRoad-Rapid can be used to reinstate potholes and mudholes, restore traction for foot, wheeled, and tracked traffic, and reduce operational delays.

FEATURES & BENEFITS

- **Rapid Set & Early Strength:** Minimum operational downtime and quick traffic reinstatement.
- **Water-Tolerant Placement:** Pour directly into standing water—typically only light agitation needed.
- **High Flow or Trowel-Finishable:** Consistency to suit pothole and mudhole infilling and surface profiling.
- **Simple Application:** No batching plant required.

TYPICAL APPLICATIONS

- Rehabilitation of underground mine roadways, travel-ways, and sump approaches.
- Filling potholes, rills, depressions, and persistent wet/slippery areas (“mudholes”).
- Spot-level corrections at intersections, boot-wash areas, and equipment parks.

TECHNICAL DATA

BMS MineRoad-Rapid undergoes regular in-house quality control of strength and setting times in accordance with typical return-to-service targets.

Return-to-Service Target	Time
Initial Set Time	10 minutes
Foot Traffic	10 to 20 minutes
Light Duty Traffic (e.g., 4WD Ute; Driftrunner)	30 to 60 minutes
Heavy Duty Traffic (e.g., Shuttle Car; Jumbo)	2 hours
Extreme Duty Traffic (e.g., Continuous Miner)	8 hours

Note: These values are typical and subject to change based on manufacturing conditions. Performance-based properties, such as compressive strength and set times are highly dependent on amount of mix water, ambient and water temperature, substrate condition, base preparation, etc.

PLACEMENT GUIDANCE

- Prepare a firm base—remove soft mud where possible.
- Add and compact rock/ballast if required.
- Pre-fill the defect with water to the desired finished level. Note: Add only the water present in the hole plus incidental wetting—avoid over-diluting.
- Pour BMS MineRoad-Rapid into the standing water.
- Allow the material to absorb water; lightly agitate to aid wetting and consolidation.
- Screed/finish to the required texture. Multiple lifts may be used for deep repairs.

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PACKAGING

- Typically, 1.0 and 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 humidity, extreme temperatures, or external weather conditions.

SAFETY INFORMATION

- Cement 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

BMS Specialty Cements Pty Ltd

ABN: 44 687 093 410

Phone: +61 428 278 102

Email: info@bmscement.com

Address: 9 Holt Drive, Torrington QLD 4305, Australia

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.