

# BMS HY-10

## TECHNICAL DATA SHEET

**BMS HY-10** is a versatile, **high-yield cementitious grout** engineered for void and cavity filling, ground consolidation, and general-purpose grouting applications where fast setting is beneficial.

With a controlled **10-minute gel time** producing steady strength gains at high water-to-solids (w:s) ratios, BMS HY-10 is ideal for situations requiring fast turnaround and reduced downtime, without compromising on pumpability or strength development.

### FEATURES & BENEFITS

- **High-Yield:** Optimised w:s ratio for greater volume per tonne. Foaming version available upon request.
- **Gel Time:** Initial gel time of 10 minutes at 23°C and 2:1 w:s ratio.
- **Versatile Application:** Suitable for cavity and void filling in mining, tunnelling & civil construction applications.
- **Steady Strength Gain:** Reliable compressive strength development.
- **Safe:** Non-toxic and non-flammable.

### TYPICAL APPLICATIONS

- Bulk void and cavity filling in civil and mining works.
- Backfilling of mine stopes, tunnels, and underground workings.
- Ground and fractured rock mass stabilisation.
- Construction of cut-off walls and bulkheads.

### TECHNICAL DATA

BMS HY-10 undergoes regular in-house quality control, including uniaxial compressive strength (UCS) tests on 100 mm dry-cured cubes.

UCS (MPa)			
2 Hours	1 Day	7 Days	28 Days
1	2	5	6

Note: These values are typical of in-house testing conducted on 100 mm dry-cured cubes at 23°C using Toowoomba Regional Council water. Performance-based properties, such as compressive strength, gel time, bleed, etc, are highly-dependent on water-to-solids (w:s) ratios, mixer and pump type, addition of admixtures, and end-user applications and requirements.

## BMS HY-10

### PACKAGING

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- Typically, 1.0 and 1.2 tonne bulk bags.
- 20 kg paper bags (palletised).
- 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

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- **Shelf-Life:** Best used within 12 months from the date of manufacture when stored as recommended. Product may be fit for purpose beyond 12 months, subject to assessment of storage conditions and verification testing of grout 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

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- 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](http://www.bmscement.com).

### CONTACT INFO

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#### Important Notice

Always refer to the BMS Specialty Cements website ([www.bmscement.com](http://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.