

BMS GP Cement

TECHNICAL DATA SHEET

BMS GP Cement is a **general purpose Portland cement** formulated for consistent performance across a wide range of concrete, grout, and mortar applications in civil construction, tunnelling, and mining.

Compatible with most admixtures and supplementary cementitious materials, BMS GP Cement **complies with Type GP requirements** specified in **Australian Standard AS 3972** General Purpose and Blended Cements.

FEATURES & BENEFITS

- **AS 3972 Type GP Compliant:** Consistent chemistry and performance for general concrete, mortar, render, and grout mixes.
- **Versatile:** High versatility allowing use in a wide variety of applications and project environments.
- **Predictable Setting & Strength Development:** Reliable early and 28-day strength gain under standard curing.
- **Broad Mix Compatibility:** Works well with common supplementary cementitious materials (e.g., fly ash and slag), and standard chemical admixtures (e.g., plasticisers and polymers), enabling tailored workability and durability.

TYPICAL APPLICATIONS

- Domestic construction, such as concrete slabs, driveways, and footpaths.
- Structural concrete, such as pre-stressed slabs, columns, and tilt-panel walls.
- Pavers, blocks, panels, and pipes.
- Surface and underground, coal and hardrock mining.
- Specialty formulations, such as adhesives, renders, mortars, and grouts.

TECHNICAL DATA

BMS Specialty Cements packages bulk GP cement sourced from reputable Australian manufacturers. The product fully complies with the Type GP requirements of Australian Standard AS 3972—General Purpose and Blended Cements.

The information below reflects typical standardised tests in accordance with AS 3972. BMS Specialty Cements does not perform in-house quality control testing on this product.

Test	Fineness Index m ² /kg	45µm Sieve Residue %	Normal Consistency %	Initial Setting min	Final Setting min	Soundness mm	Loss on Ignition %
Standard	AS/NZS 2350.8	AS 2350.9	AS/NZS 2350.3	AS/NZS 2350.4	AS/NZS 2350.4	AS/NZS 2350.5	AS 2350.2
AS 3972 Limit	None	None	None	45 Minutes Minimum	360 Minutes Maximum	5 mm Maximum	None

Test	3-Day UCS	7-Day UCS	28-Day UCS
Standard	AS/NZS 2350.11	AS/NZS 2350.11	AS/NZS 2350.11
AS 3972 Limit	None	35 MPa Minimum	45 MPa Minimum

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Test	CaO %	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	SO ₃ %	Na ₂ O eq. %	Cl %
Standard	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2	AS 2350.2
AS 3972 Limit	None	None	None	None	3.5% Maximum	None	0.1% Maximum

PACKAGING

- Typically, 20 kg paper bags (palletised) and 1.0 tonne bulk bags.
- Additional packaging options are available on request.
- All orders include Proof of Dispatch (POD) documentation with batch identification numbers and packaging dates for traceability.

SHELF-LIFE & STORAGE CONDITIONS

- **Shelf-Life:** Best used within 6 months from the date of packaging when stored as recommended. Product may be fit for purpose beyond 6 months, subject to assessment of storage conditions and verification testing of cement 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

- 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

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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.