



TECHNICAL DATA SHEET

Product: MULTI-PRO BITUMEN

Document Code: MP-TDS-BIT

Revision: R01

Issue Date: 07 December 2025

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SCIENCE AND TECHNOLOGY AT WORK

PRODUCT OVERVIEW

MULTI-PRO BITUMEN is a high-build, water-dispersed elastomeric waterproofing compound formulated using a proprietary SS-03 polymer resin matrix in combination with a SANS 4001-BT3 compliant anionic bitumen emulsion. Upon curing, the material forms a continuous, joint-free waterproof membrane capable of resisting positive hydrostatic pressure.

The cured membrane maintains excellent elasticity and elongation, allowing it to accommodate structural movement, thermal expansion, and contraction under demanding environmental exposure. Its controlled viscosity profile promotes strong substrate adhesion, mechanical durability, and long-term cost efficiency.

RECOMMENDED USES

- Retaining walls and structural barriers.
- Rendered, plastered, and concrete substrates.
- Flat concrete roof decks and slabs.
- Brickwork and masonry constructions.
- Foundations and sub-structure walls.
- Galvanized roofing sheets and flashing details.
- Mild steel components.
- Water storage and containment installations.

SURFACE PREPARATION REQUIREMENTS

Metallic Substrates (Steel and Galvanized Surfaces):

All metal surfaces must be mechanically abraded using suitable sandpaper to remove rust, oxidation, oils, grease, dust, and other contaminants prior to application.

Cement-Based and Masonry Substrates:

Substrates must be structurally sound, clean, and free from loose particles, laitance, dirt, or foreign matter. Damp or highly absorbent surfaces must be primed with Multi-Pro CWS prior to application. Coverage rates are dependent on substrate porosity, surface profile, and use of reinforcement membranes.



APPLICATION GUIDELINES

Application may be carried out by brush, roller, or airless spray equipment. Where structural movement or cracking is anticipated, a fibre reinforcement membrane should be embedded between coats to improve tensile strength and system integrity.

- Minimum recoat interval: 4 hours.
- Typical coverage: 2 – 3 m² per litre per coat, substrate dependent.
- Rain resistance is achieved only after full cure.
- For exposed exterior applications, the cured membrane may be overcoated with a flexible, water-based exterior coating.

SPECIAL APPLICATION – WATER-RETAINING STRUCTURES

When used in fish ponds or water containment systems, allow the applied coating to cure for a minimum of seven (7) days. After curing, thoroughly rinse the surface with clean potable water prior to filling.

PERFORMANCE ADVANTAGES

- Cost-effective waterproofing solution.
- Proven long-term durability.
- Rapid drying characteristics.
- High elasticity with sustained elongation.
- Adaptable to varying substrate conditions.
- Alternative to torch-on membrane systems.
- Compatible with torch-on repair detailing.
- Ideal for below-ground foundation waterproofing.
- Reduced downtime during application.
- Compatible with water-based topcoats.
- UV resistant.
- Solvent-free and non-toxic formulation.
- Resistant to water penetration and moisture ingress.

TECHNICAL PROPERTIES

Colour: Black.

Solids Content: 72%.

Carrier System: Water-based.

Theoretical Coverage (SPR): 2 – 3 m² per litre per coat.

Required Dry Film Thickness: 1 mm total DFT.

Water Penetration: Nil after 72 hours (Wacker Test Method).

Application Temperature: Minimum 10 °C / Maximum 35 °C.



Drying Time: Touch dry approximately 3 hours at 25 °C.

Recoat Time: 4 hours.

Full Cure: 7 days.

Shelf Life: 12 months.

Pot Life: 6 hours after opening.

Mixing: Stir intermittently during use.

Surface Condition: Dry.

Cleaning: Potable water.

Packaging: 5 L and 20 L triple-lock containers.

HEALTH, SAFETY & HANDLING

Wear appropriate personal protective equipment during application.

Apply protective barrier cream to exposed skin.

Clean tools immediately after use with potable water.

Prevent material from entering stormwater drains or sewer systems.

Product is not intended for ingestion.

In case of eye contact, rinse thoroughly with clean water.

Avoid inhalation of vapours.

Individual skin sensitivity reactions may occur.

Keep out of reach of children.

DISCLAIMER

The information contained in this Technical Data Sheet is provided in good faith and is based on laboratory testing and practical experience. It is provided for guidance purposes only. As conditions of application, surface preparation, and use are beyond the control of Multi-Pro Distributors, no warranty, whether express or implied, is given regarding the final results obtained. The user is responsible for determining suitability and regulatory compliance.

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