

PREPRUFE® AND BITUTHENE®

GCP MEMBRANE SYSTEMS, PROTECTION
FOR BELOW-GROUND STRUCTURES

JUNE
26



PERFORMING BELOW-GROUND SOLUTIONS.

GCP Saint-Gobain is a global leader in construction products recognised worldwide for high-performance solutions across commercial, infrastructure, and high-density developments. PREPRUFE® and BITUTHENE® are well known for their reliability, performance, and long-term protection in below-ground environments.

PREPRUFE® and BITUTHENE® 3000 are designed to offer a comprehensive below-ground protection strategy.

Together, they create a continuous, integrated system tailored to project requirements. Backed by Allco's technical expertise, these systems are supported from design through to installation, ensuring the right solution is specified and delivered for each project.

BITUTHENE® 3000

Robust and reliable moisture protection for below-ground structures.

BITUTHENE® 3000 is a self-adhesive, rubberised asphalt/polyethylene membrane designed for below-ground damp proofing applications where reliable moisture protection is required.

Widely used across New Zealand construction, BITUTHENE® has built a strong reputation for its robust performance, ease of installation, and long-term reliability.

Applied to the positive side of structures such as foundation walls, retaining walls, and basements, it forms a continuous barrier that helps protect against moisture ingress and dampness.

KEY BENEFITS

FLEXIBLE AND DURABLE PERFORMANCE

- Tough cross-laminated backing provides strength and durability
- Flexible membrane accommodates minor movement and crack bridging
- Controlled thickness ensures consistent application

EFFICIENT INSTALLATION

- Cold-applied system – no flame or hot works required
- Self-adhesive overlaps reduce risk of leaky seams
- Can be applied to primed damp or green concrete, supporting faster construction

RELIABLE MOISTURE PROTECTION

- Excellent adhesion to primed substrates
- Self-heals around minor penetrations
- Proven performance in New Zealand's demanding below-ground conditions

SYSTEM COMPATIBILITY

- Compatible with other Allco membranes to create a continuous below-ground protection system.

PREPRUFE®

Advanced Fully Bonded Waterproofing System.

PREPRUFE® is a high-performance waterproofing membrane engineered for blindside and below-ground applications, delivering long-term protection against water ingress.

Designed for use in underslab and blindside construction, PREPRUFE® is ideal for zero-boundary sites and complex concrete pours, commonly found in high-density and infrastructure projects.

The membrane forms a permanent, fully bonded seal with freshly poured concrete, preventing water migration between the membrane and the structure, even under significant hydrostatic pressure.

DESIGNED FOR COMPLEX CONSTRUCTION

- Suitable for blindside walls and underslab applications
- Conforms easily to complex detailing
- Pre-applied and post-applied options available

KEY BENEFITS

SUPERIOR WATERPROOFING PERFORMANCE

- Fully bonded system eliminates lateral water migration
- Resistant to hydrostatic pressure, groundwater, gas, and moisture
- Provides a continuous waterproofing envelope
- Applied to blinding or formwork prior to concrete placement
- Bonds directly to poured concrete to create an impermeable seal

LONG-TERM DURABILITY

- High-density polyethylene (HDPE) geomembrane provides resistance to chemicals, gas, and moisture
- Protects structures from long-term deterioration
- Proven performance in civil infrastructure and commercial construction across New Zealand





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If you would like to learn more or require assistance with design, specification or compliance, please speak with your Allco Account Manager today on (09) 448 1185 or tech@allco.co.nz

