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Use with Confidence

BITUTHENE[®]

Waterproofing System



BITUTHENE®

Self-adhesive, cold applied, flexible, fully bonded to the substrate, tough and high performance waterproofing membrane.

These features and more describe the BITUTHENE® waterproofing membrane system.



The Original Self-Adhesive Waterproofing Membrane

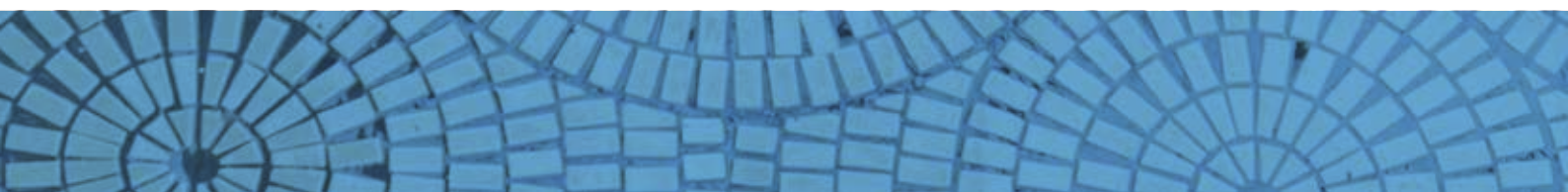
Since its introduction more than 40 years ago by GCP Applied Technologies, a worldwide leader in the construction products industry, the BITUTHENE® waterproofing membrane has been continuously improved becoming virtually the industry standard. It is the original self-adhesive membrane by which all other waterproofing membranes are measured against.

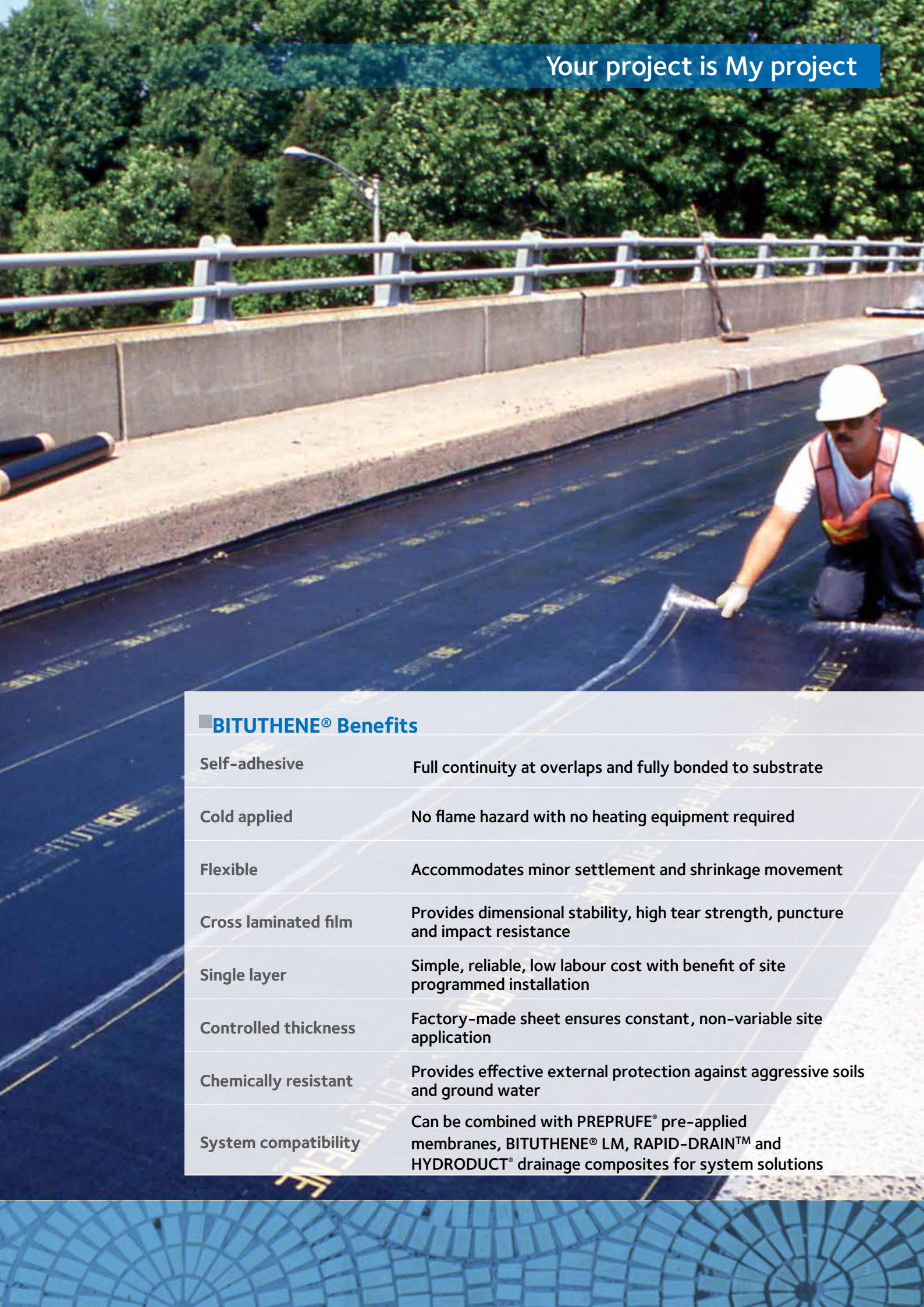
More than 300 million square metres of BITUTHENE® have been installed in projects all over the world.

BITUTHENE® membranes are formulated to be applied and perform under a variety of temperature conditions. Special grades for application to damp surfaces or green concrete, with special primers, are also available.

Supplied in easy-to-apply rolls, the BITUTHENE® self-adhesive membrane installs quickly and cleanly without the hazards associated with hot applied systems or the need for specialist equipment. It is manufactured to international standards in GCP plants around the world, including Singapore for the Asia Pacific market. The Singapore plant is certified to meet ISO 9001 quality standards, and undergoes annual audits by the Standards, Productivity and Innovation Board of Singapore to confirm continued compliance.

The BITUTHENE® membrane, like all other quality building materials from GCP Applied Technologies, is supported by highly skilled and locally based field and technical service. This commitment to expert service and support, along with the product's superior performance, means that customers can specify and use the BITUTHENE® membrane with confidence.





■ BITUTHENE® Benefits

Self-adhesive	Full continuity at overlaps and fully bonded to substrate
Cold applied	No flame hazard with no heating equipment required
Flexible	Accommodates minor settlement and shrinkage movement
Cross laminated film	Provides dimensional stability, high tear strength, puncture and impact resistance
Single layer	Simple, reliable, low labour cost with benefit of site programmed installation
Controlled thickness	Factory-made sheet ensures constant, non-variable site application
Chemically resistant	Provides effective external protection against aggressive soils and ground water
System compatibility	Can be combined with PREPRUFE® pre-applied membranes, BITUTHENE® LM, RAPID-DRAIN™ and HYDRODUCT® drainage composites for system solutions

The BITUTHENE® Family

MEMBRANE SYSTEMS FOR THE RIGHT APPLICATION

Designed to keep water out, BITUTHENE® waterproofing membranes have proven their versatility in a variety of applications. The comprehensive family of BITUTHENE® membranes includes:



PRODUCTS	Description	Application
BITUTHENE® 2000	Self-adhesive, cold-applied membrane produced from rubber bitumen and cross-laminated high density polyethylene	Moisture / vapour proof membrane for damp proofing flat decks, slab on grade, wet rooms and non-critical applications
BITUTHENE® 3000	High performance, cold-applied and self-adhesive membrane with 100 micron cross-laminated HDPE film and rubber bitumen compound	Waterproofing membrane for basements, sub-structures and flat deck applications
BITUTHENE® 5000	Heavy duty waterproofing membrane incorporating high strength, heat-resistant mesh embedded in a layer of self-adhesive rubber bitumen	Waterproofing membrane for plazas, bridges, vehicular traffic structures, or parking decks overlaid with an asphalt concrete wearing course
BITUTHENE® 6000	Heavy duty, cold-applied and self-adhesive membrane with 200 micron cross-laminated HDPE film and rubber bitumen compound	Tough, high performance waterproof membrane for critical sub-structures and civil engineering works
BITUTHENE® 8000	Combines the proven Bituthene adhesive technology with a unique, grey-coloured carrier film to withstand more than 70m head of water and is over 90 times more methane resistant than the BRE minimum recommendation.	Advanced, self-adhesive, water, moisture and gas proofing membrane for sub-structures
BITUTHENE® 6000 EIM	Tough cross-laminated polyethylene film, backed by a self-adhesive rubberised asphalt compound, providing high resistance to the passage of direct or alternating current	Waterproofing membrane with excellent electrical insulation properties for critical sub-structures and civil works
BITUTHENE® LM	Two-component elastomeric liquid-applied waterproofing membrane	For basements and flat decks and for use in conjunction with BITUTHENE® waterproofing membranes as detailing aids



Proven Around The Globe

The BITUTHENE® waterproofing systems have been used in some of the finest structures around the world. Designers and specifiers all over the world choose BITUTHENE® for their projects, because they know they can rely on BITUTHENE® to do the job.

1. Chek Lap Kok International Airport, Hong Kong
2. MRT Rail System, Singapore
3. Mall of Indonesia, Jakarta, Indonesia
4. McCarran International Airport, Las Vegas, USA
5. Singapore Management University, Singapore
6. Four Seasons Hotel, Jakarta, Indonesia
7. Bank of China, Hong Kong
8. Siam Commercial Bank, Bangkok, Thailand



Comprehensive Building Envelope Protection Solutions

GCP's complete systems-based approach to waterproofing allows effective enveloping of structures with a flexible, fully adhered waterproofing barrier. Its BITUTHENE® waterproofing system is developed to be fully compatible with all GCP waterproofing systems. It works with PREPRUFE® pre-applied waterproof membrane, with its advanced bond technology that forms a unique integral seal to concrete poured against it.

In addition, GCP's BETEC® range of cementitious and crystalline waterproofing products, ADPRUFE® integral waterproofing, and GCP polymeric liquid-applied waterproofing offer architects and contractors additional options for the waterproofing of concrete. Complementing the systems are RAPID-DRAIN™ and HYDRODUCT® drainage components, and the DE NEEF® range of joint protection systems.

1. Parliament House, Singapore
2. Gardens by the Bay, Singapore
3. Wuxi Museum, Wuxi, China
4. Morocco Mall, Casablanca, Morocco
5. Hoabinh Tower, Hanoi, Vietnam
6. Seoul Subway, Seoul, S. Korea
7. Victoria Arts Centre, Melbourne, Australia

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Printed in AUSTRALIA 07/17

