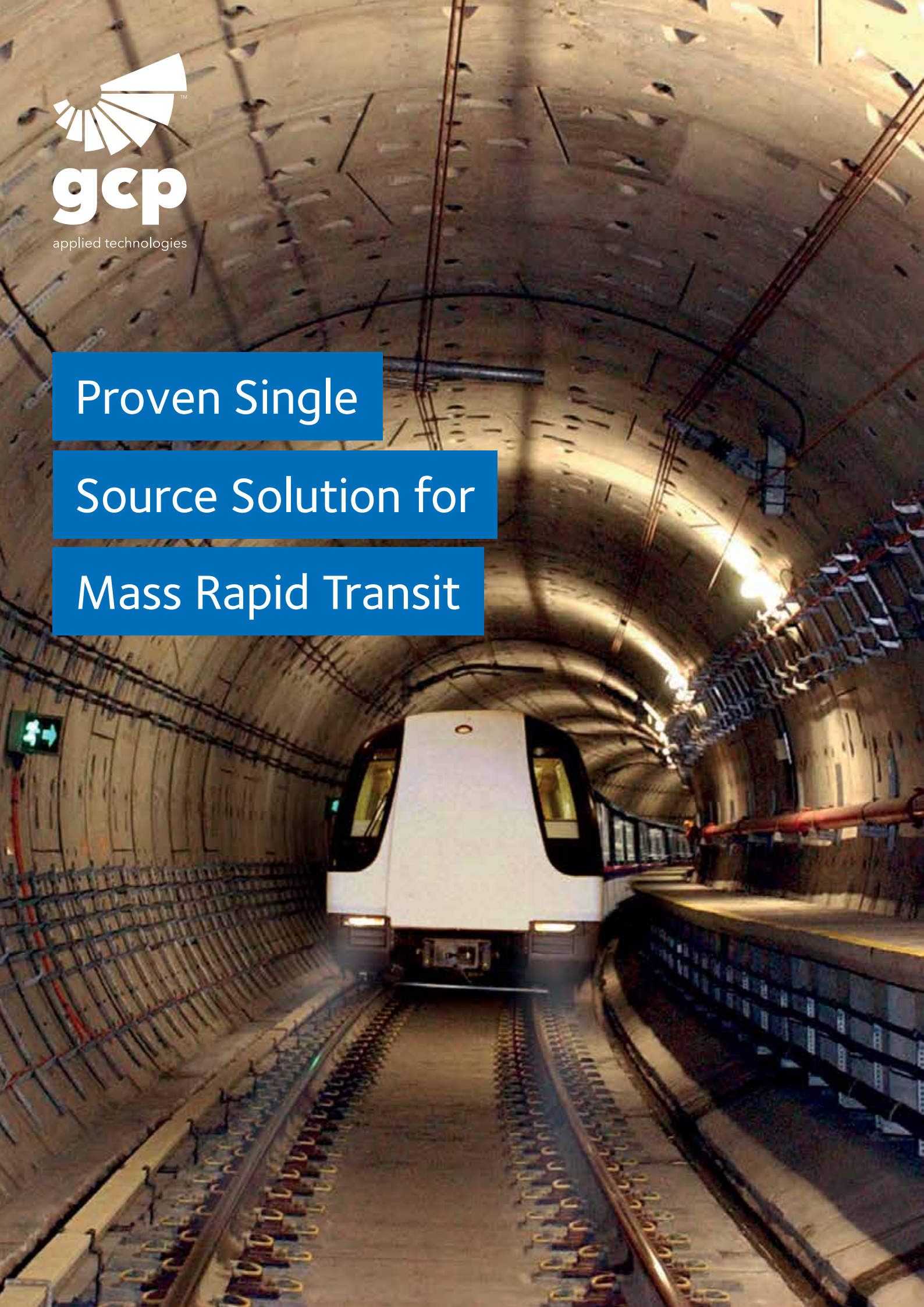




Proven Single

Source Solution for

Mass Rapid Transit



# Why **A Proven Track Record** Matters



It is one thing to talk about success, but another thing to have a track record of success. A proven track record speaks volumes about the reliability and efficacy of the solution you are provided.

GCP's track record in waterproofing mass rapid transit (MRT) systems all over the world speaks for itself. Over 3 million square metres of waterproofing materials have been applied on the base slabs, walls and tunnel roofs of MRT structures built in Asia.



Singapore MRT



Hong Kong MTR, China



Beijing MRT, China

## SINGAPORE MRT

APPLICATION AREA	PRODUCT
Base Slab	Preprufe® 300R
Wall	Bituthene® 3000
Roof	Bituthene 3000
	Silcor® 780 HI-LP

## HONG KONG MTR, CHINA

APPLICATION AREA	PRODUCT
Base Slab	Preprufe 300R
Wall	Preprufe 300R
	Bituthene 3000
Roof	Bituthene 3000
	Silcor 780 HI LP
Electrical Insulation	Bituthene 6000

## BEIJING MRT, CHINA

APPLICATION AREA	PRODUCT
Base Slab	Preprufe 300R
	Preprufe 100S
Wall	Preprufe 300R
	Preprufe 100S
Roof	Preprufe 100S



Seoul MRT, S. Korea

## SEOUL MRT, SOUTH KOREA

APPLICATION AREA	PRODUCT
Base Slab	Preprufe® 300R
Wall	Bituthene® 3000
Roof	Bituthene 3000



Bangalore Metro, India

## BANGALORE METRO, INDIA

APPLICATION AREA	PRODUCT
Electrical Insulation	Bituthene 6000



Doha Metro, Qatar

## DOHA METRO, QATAR

APPLICATION AREA	PRODUCT
Base Slab	Preprufe 300R Plus
Wall	Bituthene 8000 HC
	Bituthene Protection Board



New York Grand Central Station, USA



Crossrail, London, UK



Riyadh Metro, Saudi Arabia



Metro Sao Paolo, Brazil



Paris Metro, France



Kuala Lumpur MRT, Malaysia



Société de transport de Montréal, Canada



Jakarta MRT, Indonesia



Hangzhou MRT, China



Delhi Metro, India



San Francisco Bay Area Rapid Transit, USA



Dubai Metro, United Arab Emirates

## Peace of Mind with A Single Source Solution Provider

Whether you are building the MRT underground or aboveground, GCP's complete systems-based approach to waterproofing offers an extensive range of fully compatible products and accessories that provide effective enveloping of structures with a flexible, fully adhered waterproofing barrier.

A fully bonded waterproofing system is the way to prevent the migration of water - that is water tracking between the waterproofing and structure. Depending on project requirements and site conditions, waterproofing can be pre-applied, post-applied or integral, and these solutions are all available from GCP Applied Technologies.

### International Quality of Manufacturing

GCP's global manufacturing facilities are ISO certified, and its waterproofing products are manufactured under strict quality control, in accordance with specifications. GCP waterproofing products are known industry-wide for its consistency in product quality. Furthermore, as a manufacturer, GCP has the flexibility to produce waterproofing membranes to meet project requirements.

BBA certificate for basement Grade 1, 2 & 3 to BS 8102:2009. Independent Assessments include BBA Certificate No. 97/3325 for Preprufe® and Bituthene®.

### Performance with Professional Installation

Beyond system solution and product quality, performance is also dependent on professional

In addition, adequate waterproofing protection must be provided for penetrations and joints, where leaks often occur. That is why it is imperative that proper planning together with the selection of the appropriate waterproofing system is carried out at the beginning of a project. A high performance, bonded waterproofing membrane will improve the concrete's long-term structural performance and durability by providing constant protection from sulphate, chloride and water ingress. With the correct waterproofing specification from the start, architects, designers and developers can ensure that the selected system meets project and design life requirements with excellent resistance to aggressive ground condition.

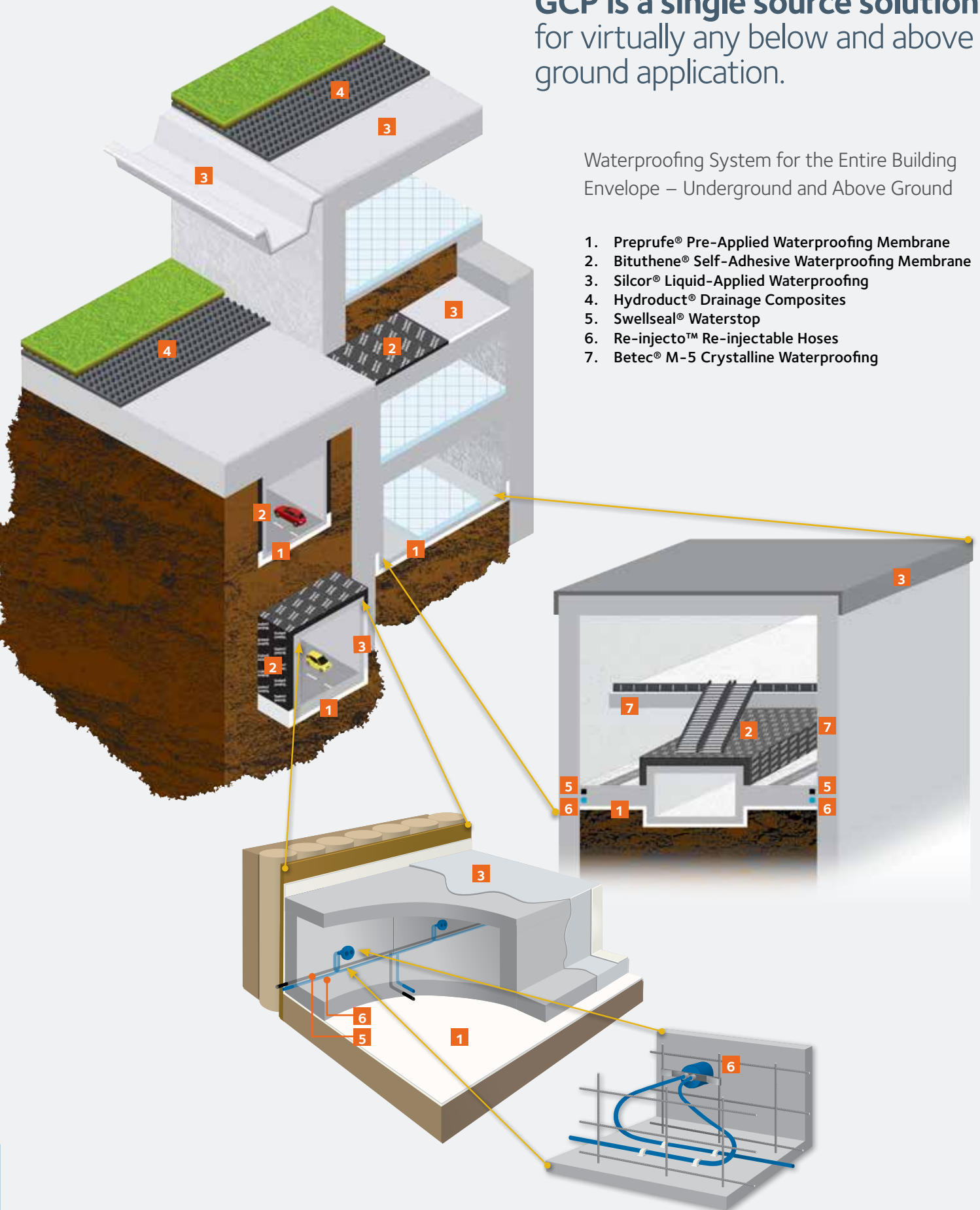


installation. Proficient application by trained and experienced applicators is critical for the waterproofing solution to meet performance expectations. GCP works with a network of highly qualified applicators with experience in infrastructure construction. It also provides regular product training and updates for its applicators.

# GCP is a single source solution for virtually any below and above ground application.

Waterproofing System for the Entire Building Envelope – Underground and Above Ground

1. Preprufe® Pre-Applied Waterproofing Membrane
2. Bituthene® Self-Adhesive Waterproofing Membrane
3. Silcor® Liquid-Applied Waterproofing
4. Hydroduct® Drainage Composites
5. Swellseal® Waterstop
6. Re-injecto™ Re-injectable Hoses
7. Betec® M-5 Crystalline Waterproofing



## ASIA PACIFIC KEY LOCATIONS

### INDIA

Plot No. 90, Sector-8  
IMT Manesar, Gurgaon  
Haryana-122050  
Tel: +91 124 488 5900  
Fax: +91 124 402 8925

### AUSTRALIA

14 Colebard Street West  
Archerfield  
Queensland 4108  
Tel: +61 7 3275 7500  
Fax: +61 7 3875 1365

### CHINA MAINLAND

19th Floor K. Wah Centre  
1010 Huai Hai Zhong Road  
Shanghai 200031  
Tel: +86 21 3158 2888  
Fax: +86 21 3158 2828

### HONG KONG

6 On Chuen Street  
On Lok Tsuen Ind Area  
Fanling, Hong Kong  
Tel: +852 2675 7898  
Fax: +852 2676 4370

### INDONESIA

Cikarang Industrial Estate Kav  
C-32  
Cikarang, Bekasi 17530  
Tel: +62 21 893 4260  
Fax: +62 21 893 4315

### JAPAN

6F Create Building  
1-8-10, Lidabashi, Chiyoda-ku  
Tokyo, 102-0072  
Tel: +81 3 5226 0231  
Fax: +81 3 3239 2251

### KOREA

70B-1L Gojan-Dong  
301 Cheong Neung-Daero  
Namdong-Gu  
Incheon City 405817  
Tel: +82 32 820 0800  
Fax: +82 32 820 0803

### MALAYSIA

7 Lorong CJ 1/1A  
Off Jalan Balakong  
43200 Cheras Jaya  
Kuala Lumpur  
Tel: +60 3 9074 6133  
Fax: +60 3 9074 7322

### PHILIPPINES

Silangang Canlubang Ind Park  
Canlubang, Calamba, Laguna  
Manila  
Tel: +63 49 549 7373  
Fax: +63 49 549 7778

### SINGAPORE

25 Tanjong Penjuru  
Singapore 609024  
Tel: +65 6265 3033  
Fax: +65 6265 9232

### THAILAND

253/2 Bangpoo Industrial Estate  
Sukhumvit Road, KM 34  
Tambol Praksa, Amphur Muang  
Samutprakarn 10280  
Bangkok  
Tel: +66 2 709 4470  
Fax: +66 2 323 1386

### VIETNAM

Lot B14, Section B, Street No. 12  
Xuan Thoi Son Small Scale Arts &  
Crafts Group  
National Road 22  
Xuan Thoi Son Village  
Hoc Mon District  
Ho Chi Minh City  
Tel : +84 8 3710 6168  
Fax: +84 8 3710 6167

### WORLDWIDE HEADQUARTERS

GCP Applied Technologies Inc.  
62 Whittemore Avenue  
Cambridge, MA 02140  
U.S.A.  
Tel: +1 617 876 1400

[gcpat.com](http://gcpat.com) | For technical information: [asia.enq@gcpat.com](mailto:asia.enq@gcpat.com)

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

Betec, Bituthene, Hydroduct, Preprufe, Re-injecto, Silcor and Swellseal are registered in the United States and/or other countries, of GCP Applied Technologies, Inc. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status.

© Copyright 2017 GCP Applied Technologies, Inc. All rights reserved.

GCP Applied Technologies Inc., 62 Whittemore Avenue, Cambridge, MA 02140, USA

Printed in India 300-MRTBro-13 03/17

