

Inspection access and surface water drainage at Ports and Airports.



Specialised Engineering. Special Advice.

Integrated access cover and surface water management systems for ports and airports.



| Key to | symbols |
|---|----------------------------------|
|  | Gatic Slotrain channel |
|  | Underground pipework |
|  | Collection and access boxes |
|  | Gatic recessed inspection cover |
|  | Gatic solid-top inspection cover |





Original 1928 Gatic cover – still in service.

Who is Gatic?

Gatic's involvement with gas air-tight inspection covers spans more than eighty years. In fact, one of the earliest covers produced by the company (then known as Dover Engineering) is still in service at a Shell garage in Malta, where it was first installed in 1928.

Access Covers

Modern-day covers look superficially very similar to this early version but in reality, a huge amount of development, research and innovation has been invested over the years to enable today's range to meet the exacting requirements of major ports and airports throughout the world.

Gatic covers are cast to demanding specifications and held to tight tolerances that guarantee the gas and air-tight fit, upon which the company's reputation is built. Whether single, duct or multi-span, covers and their frames are built in sets and finely machined to come together, in a precise, pre-determined order to achieve their seal. Appropriately installed, they can be expected to perform as intended for many decades if not indefinitely, with minimal servicing.

Today's Gatic covers are designed to deal with the harshest environments and to cope effectively with an anticipated, ever-increasing vehicle weight and traffic volume well into the future. Their exact fit discourages the development of rock and subsequent wear.

Engineering expertise

Gatic makes a point of supplying all the help and technical support needed to ensure that each installation performs to its design potential. To this end, our design engineers are always available to discuss all technical aspects and offer practical advice at any stage of the project.

Loading Group F900

Wheel load in excess of 20 tonne – Test Load 900 kN – For areas imposing particularly high wheel loads, aircraft pavements, taxiways of civil airports and dockyards where individual wheel loadings exceed 20 tonne.



Decades of development mean Gatic covers are still the best.

Surface water drainage

The Slotdrain concept emerged as a result of the worldwide success of Gatic covers. Many of the locations served by Gatic inspection covers were in parts of the world subject to extreme and often, rapidly changing climatic conditions.

The danger of adverse weather causing flashfloods and bringing these vital facilities to a standstill was very real and the requirement for a system capable of handling huge quantities of surface water in a short space of time was obvious. Slotdrain was developed as a safe, robust yet unobtrusive way of solving this problem.

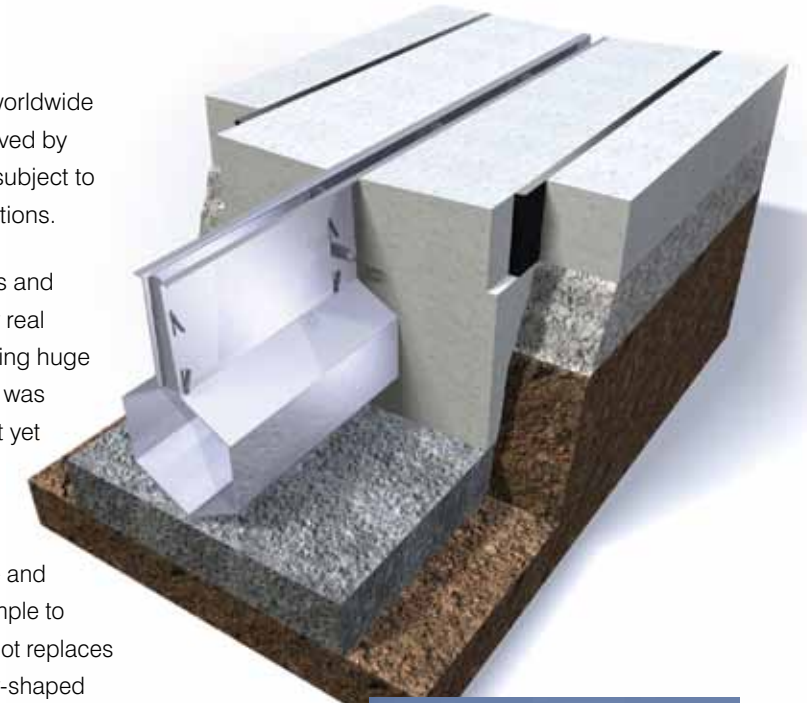
Slotdrain's unique profile enables it to efficiently deal with large or small amounts of water with equal ease and the system's modular design means it's relatively simple to install and maintain on site. A single high-capacity slot replaces the gratings of more conventional systems and the v-shaped cross-section of the channel maximises flow, whatever the level, encouraging a high degree of self cleansing.

Worldwide recognition

Today, ample evidence of the universal success and wide acceptance of Gatic Slotdrain can be seen from the number of ports and airports, all over the world, that rely on its capabilities. Some of them are listed on pages 5 and 6.

Special advice

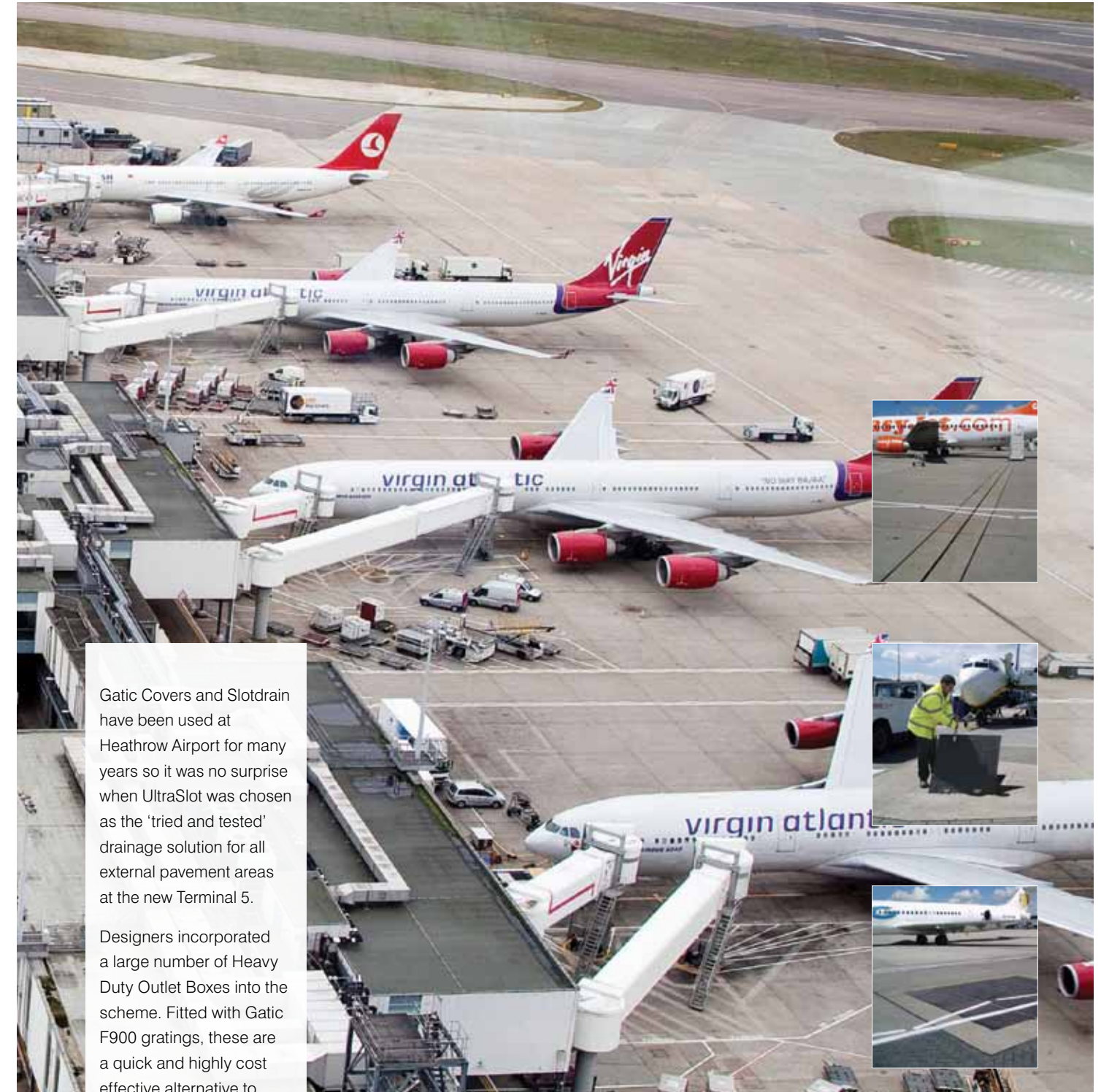
Most of Gatic's installations around the world have been in place and operating successfully for many years. Our design engineers and technical advisors have a vast fund of knowledge and experience on which to draw. Whether with inspection facilities or surface drainage systems, our engineering teams are keen to rise to the challenge and help you steer your project through to the outcome you desire.



Valencia, Spain – just one of the many airports around the world to benefit from a surface water drainage system supplied by Gatic.

GATIC® Access Covers

GATIC® Slotdrain®



Gatic UltraSlot is firmly established as the standard specification for new and refurbishment projects at similar facilities around the world.



The T5 project is a recent addition to the long list of Civil and Military Airports that have found Gatic products to be the perfect answer to their access and drainage requirements.

Infrastructure projects at ports and airports worldwide.

Gatic Access Covers and Slotdrain systems have been used on many ports, airports and military bases around the world.

International Civil Airports

Europe – United Kingdom

- Heathrow (All Terminals)
- Gatwick
- Edinburgh
- Birmingham
- East Midlands
- Jersey
- London City
- Luton
- Newcastle
- Stornaway
- Robin Hood Airport
- Bournemouth
- Guernsey
- Manchester
- Stansted
- Glasgow
- Bristol
- Farnborough
- Leeds/Bradford
- Liverpool
- Manston
- Norwich
- Lydd Airport
- Londonderry (Derry) Airport, Northern Ireland
- Southampton
- Aberdeen
- Southend



Europe – Spain

- La Coruna Airport
- Fuerteventura Airport, Canary Islands
- Monflorite (Huesca) Airport
- Sevilla Airport
- Burgos Airport
- Alicante Airport
- Tenerife North Airport
- Girona Airport
- Reus Airport
- Valencia Airport (Various Phases)
- Vitoria Airport
- Barcelona Airport
- Murcia (Corvera) International Airport
- Malaga Airport



Europe – Sweden

- Arlanda Airport, Stockholm (Various Phases)
- Executive Jet Apron, SAAB, Sweden
- Skavsta Airport
- Kiruna Airport



Europe – Other Countries

- Shonefeld, Berlin, Germany
- Athens, Greece
- Paphos (Pafos) Airport, Cyprus
- Hamburg, Germany
- Oporto, Portugal
- Dublin, Eire
- Shannon, Eire
- Charles De Gaulle, Paris (A380 Terminal)
- Larnaca Airport, Cyprus
- Lisbon Airport, Portugal
- Dusseldorf, Germany
- Joao Paulo II, Azores Islands

Middle East

- Bahrain International Airport (Various Phases)
- New Doha International Airport, Qatar
- Sharjah Airport, UAE
- Royal Airport Terminal, Bahrain
- Al Duqm Airport, Oman
- Abu Dhabi, UAE
- Baghdad, Iraq
- Sohar Airport, Oman
- Al Ain, UAE
- Jet Aviation Facility, Kuwait Airport
- Sakhir Airbase, Bahrain
- Al Maktoum (Jebel Ali) Airport, UAE
- Dubai Promenade Airport, UAE
- Dubai, UAE
- Doha, Qatar
- Fujairah Airport, UAE
- Muscat Airport, Oman
- Zirku Airport, UAE
- Madinah Airport, Saudi Arabia



New Zealand & Australia

- Auckland International Airport
- Christchurch Airport

- Sydney Airport
- Edinburgh RAAF, Australia
- Rotorua Airport, New Zealand
- Hamilton Airport
- Blenheim Airport
- Launceston Airport, Tasmania
- Canberra Airport, Australia

Asia

- Chek Lap Kok, Hong Kong
- Kandahar Airport, Afghanistan
- Changi, Singapore
- Kota Kinabalu, Malaysia
- Macau
- Hyderabad Airport, India
- Mumbai Airport, India
- Ashgabat, Turkmenistan
- Kuala Lumpur, Malaysia
- Bangkok, Thailand
- Brunei
- Bangalore Airport, India
- Delhi Airport, India
- Seletar, Singapore



Africa

- OR Tambo Airport, Johannesburg, South Africa
- Tripoli, Libya
- Harare, Zimbabwe
- Lilongwe, Malawi
- Zanzibar, East Africa
- Maun Airport, Botswana
- Kotoka International Airport, Ghana
- Nairobi, Kenya
- Gaborone, Botswana
- Benghazi, Libya
- Cairo Airport, Egypt
- Hurghada Airport, Egypt



Other International Markets

- Podgorica Airport, Serbia and Montenegro
- Anguilla Airport, Virgin Islands
- Lynden Pindling International Airport, Bahamas
- St. Maarten
- RL Bradshaw Airport, St Kitts

- Majuro Airport, Marshall Islands
- SSR International Airport, Mauritius

United States

- McCarran Airport, Las Vegas
- Hickam Air Force Base, Hawaii
- San Francisco Airport
- Hartsfield-Jackson Atlanta Airport

Military Airbases

Europe – United Kingdom

- Coningsby
- Boscombe Down
- Kinloss
- Lossiemouth
- Marham
- Mildenhall
- Waddington
- Cosford
- Brize Norton
- Lakenheath
- Wittering
- Middle Wallop
- Valley
- Cardiff RAF St Athan, Wales
- RAF Airbase, Gibraltar



Other Projects

- Hickam Air Force Base, USA
- Helicopter Apron, Ohakea Airbase, NZ
- Akrotiri Airbase, Cyprus
- Sakhir Airbase, Bahrain
- Udeid, Qatar
- RAF Airbase, Falkland Islands
- RAF Airbase, Ascension Islands



International Ports

Europe – United Kingdom

- London Gateway Port
- Southampton Container Port
- Birkenhead Ro-Ro Ferry Station
- Felixstowe Port Project
- Vosper Thornycroft Ship Yard, Portsmouth
- Port of Aberdeen
- HMNB Portsmouth
- Trinity Terminal, Felixstowe
- HMNB Coulport
- Immingham Docks
- Tilbury Docks
- Severn Bridge Project
- Associated British Ports, Port of Tyne
- HMNB Devonport
- Port of Liverpool
- HMNB Faslane



Europe – Other Countries

- Mallorca Port, Palmas Mallorca, Spain
- Container Terminal Tercat, Barcelona Port, Spain
- Container Terminal TCB, Barcelona Port, Spain
- Toll Plaza, Dublin Port
- Södertälje Harbour, Sweden
- Dublin Port
- Limassol Port, Cyprus
- Mahon Port, Menorca, Spain
- El Ferrol Port, Galicia, Spain (various phases)
- Marina in Vilanova Port, Barcelona, Spain
- Sundsvall Harbour, Sweden
- Västerås Harbour, Sweden
- Gibraltar Port

Middle East

- Port Facility, Qatar Petroleum, Ras Laffan, Qatar
- Nakilat Ship Repair Yard, Ras Laffan, Qatar
- Erhama Bin Jaber Al Jalahma Shipyard, Qatar
- Marina, Yas Island, UAE
- Aden Port, Yemen
- Dammam, Saudi Arabia

- Doha, Qatar
- Dubai, UAE
- Jeddah, Saudi Arabia
- Jubail, Saudi Arabia
- Khor Fakkan, UAE
- Kuwait
- Sohar Port, Oman
- Jebel Ali Port, UAE

New Zealand & Australia

- Port Taranaki, New Plymouth, N.Z

Africa

- Dar Es Salaam, Tanzania
- Mombasa, Kenya
- Tripoli, Libya
- Misurata, Libya
- Tema, Ghana
- East Port Said, Egypt



Asia

- River Trade Terminal, Hong Kong
- Kuala Lumpur, Malaysia
- Changi Naval Base, Singapore
- Tanjung Pelepas, Malaysia
- Saigon Container Terminal, Vietnam
- International Cruise Terminal, Singapore
- Terminal 9, Hong Kong
- Kuching, Malaysia
- Sapangar Bay, Malaysia
- Gujarat Pipavav Port, India
- Kai Tak Cruise Terminal, Hong Kong
- Belawan Port, Indonesia

United States

- Louisiana Avenue, Port of New Orleans, USA

Other International Markets

- Bridgetown, Barbados
- Seychelles

- Gatic Slotdrain project
- Gatic Access Covers project
- Projects that use both Gatic Access Covers and Slotdrain systems

GATIC®

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Secure inspection access wherever it's needed.

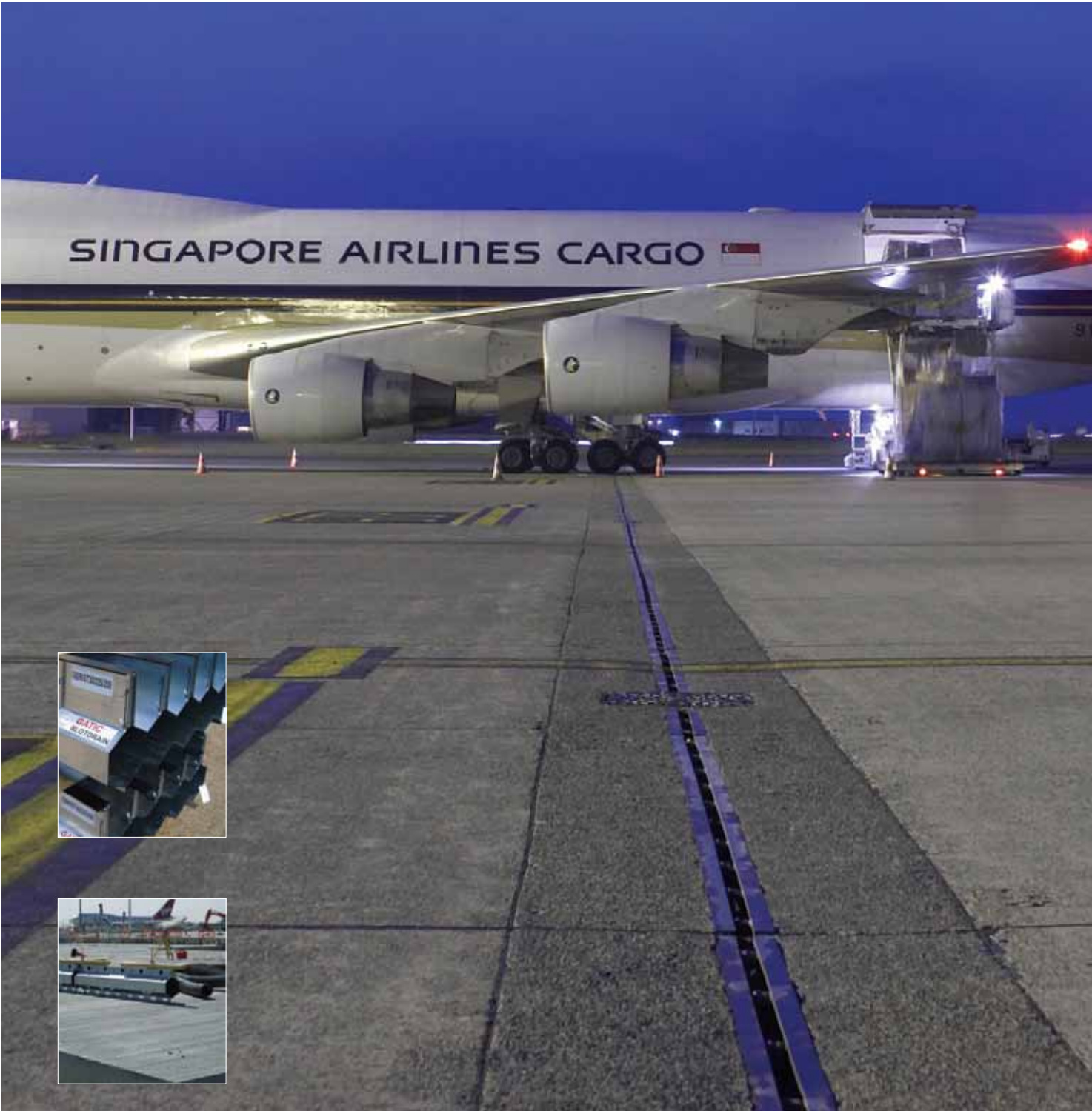


Constant movement of containers and heavy loads in and around ports and storage facilities puts a tremendous load on surface components, such as access covers. Anything that doesn't fit exactly will soon develop rock, which will eventually lead to failure.

Gatic's renowned attention to detail means that our covers have been proven to stand the test of time in these environments.

All Gatic Access Covers for ports and airports are manufactured to Loading Group specification F900.





The seemingly endless paved areas of ports and airports can collect huge volumes of surface water in a very short time.

Exposed locations, often in areas subject to wild extremes of weather, such as monsoons can throw up unusual challenges.

Fortunately, Gatic has some unusual answers. UltraSlot systems are designed specifically to tame such conditions as these.

Proven under F900, to easily withstand slow moving wheeled loads in excess of 20 tonne, their unique 'V' channel profile means they can maintain peak efficiency under all conditions.





Gatic
Poulton Close
Dover
Kent CT17 0UF
United Kingdom

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Tel no: +44 (0) 1304 203545
Fax no: +44 (0) 1304 215001
email: info@gatic.com
websites: www.gatic.com

GATIC is a division of Alumasc Ltd



Interactive website

The brand new, redesigned GATIC website is ultra user-friendly and offers full details of the entire product range, it's features and benefits, sizes and load categories, as well as design service and contact information.



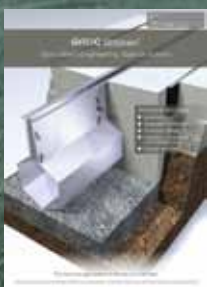
Slotdrain Design Software

Interactive DVD allows you to design your own Slotdrain system using the same software as our own in-house design engineers.



Gatic Access Covers Interactive DVD

containing full product range details, product selector software and installation tutorial.



Slotdrain Brochure

68 page, illustrated literature providing key applications, features, benefits and full technical details of the Slotdrain product range.



Access Covers Brochure

90 page, illustrated literature providing key applications, features, benefits and full technical details of the Gatic product range.



Slotdrain Handling, Installation and Maintenance Guide

16 page, illustrated literature giving advice and general information on the safe handling, installation and maintenance of Slotdrain products.



AssistLift Brochure

Provides full details of the range of Gatic Access Covers featuring AssistLift, which makes light work of heavy covers.