



component
developments



Stainless Steel
Exterior Drainage



Component Developments

What we do

We design, manufacture and supply stainless steel building products, including drainage, access and surface protection for interior and exterior use.

We offer total support

Our aim is to help you overcome those common onsite problems that relate to drainage and surface protection. At the same time we will offer you complete guidance and support, right from the design stage through to the completion and hand over of your project.

We know what works

We've provided product for many different types of projects, including commercial and industrial buildings, retail centres, sports stadia and public transport buildings. Simply put, with experience comes knowledge. We can help you achieve just what you need.

Standard, Adapt or Bespoke

We have carefully developed a 'standard' range of products to meet common needs. All of our standard product range can be 'adapted' to

suit your more specific needs. For example, you may want one of the standard channels to be a bit longer, or wider, or you may need the depth to be deeper. We can easily accommodate this. However we also offer a fully 'bespoke' service if you need something designed from scratch!

We are always at hand

Whatever your need, we are here to help. We are always at the end of the phone, where you will get straight through to a human being.

We don't do answering machines!



Specify stainless

Why specify stainless steel?

Not only is stainless steel a beautiful material but with its smooth finish it's also very well known for its hygienic benefits. It provides a self cleansing velocity for liquids at very shallow gradients and is resistant to staining and attacks from cleaning solvents!

Electropolishing

We always aim for the highest quality possible and that's why we go that one step further than most with the way we treat our stainless steel.

We use bright annealed, austenitic stainless steel as standard for all our drainage systems due to its hygienic properties. Everything else we electropolish!

Electropolishing involves an electric current supplied to the stainless steel while it's submerged in acid. This alters the surface of the metal, leaving a highly reflective finish.

By using this simple and cost effective operation we not only make it look nicer but also improve its function and service life.



Slot channel (3600 series)

Discrete

Designed to offer discreet yet effective drainage, our slot channels maximise flow capacity while minimising the visible profile at ground level. Ideal places for use include city centres, shopping centres, hard landscaping and office units.

The shallow depth of the system reduces the excavation and construction requirements during installation and allows the channel to be located within areas where depth is a key consideration, like podium decks for example!

The channel incorporates a single linear slot for

surface water drainage. This is designed to be deep enough to allow bedding materials and paving to finish flush with ground level.

Perforations along the length of the channel, together with the membrane tanking flange, allow secondary drainage to the channel.

Access and outlet boxes

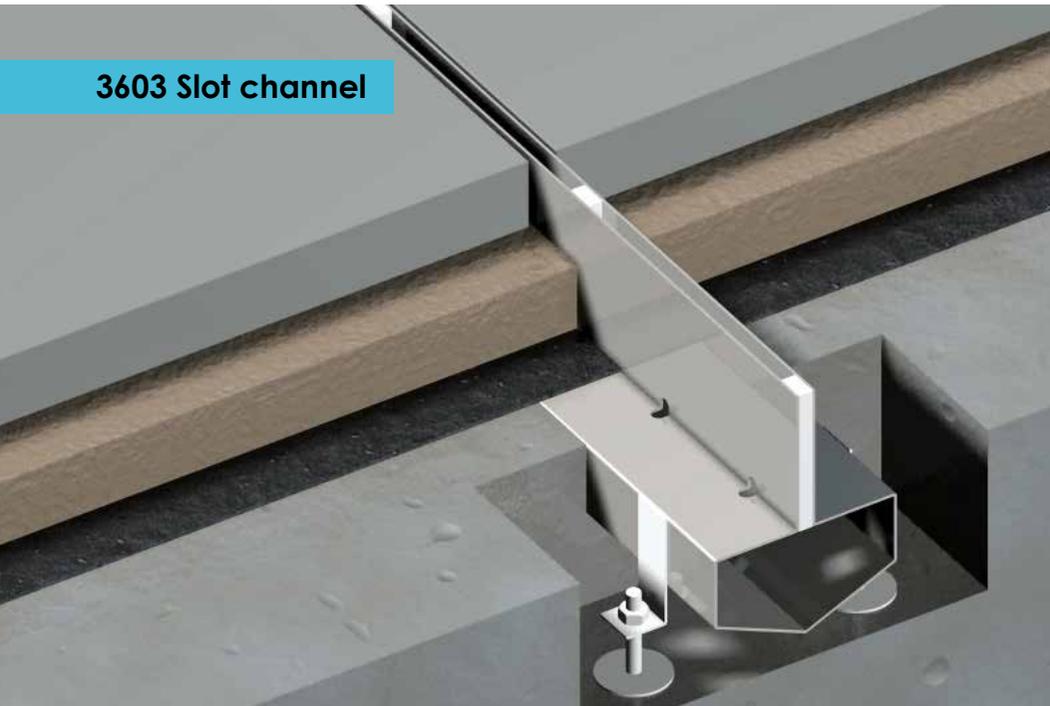
To compliment the drainage system, we supply access and outlet boxes which incorporate removable infill trays in order to accept a paving finish, whilst still maintaining the drainage slot.

Slot drain (3600 series) overview

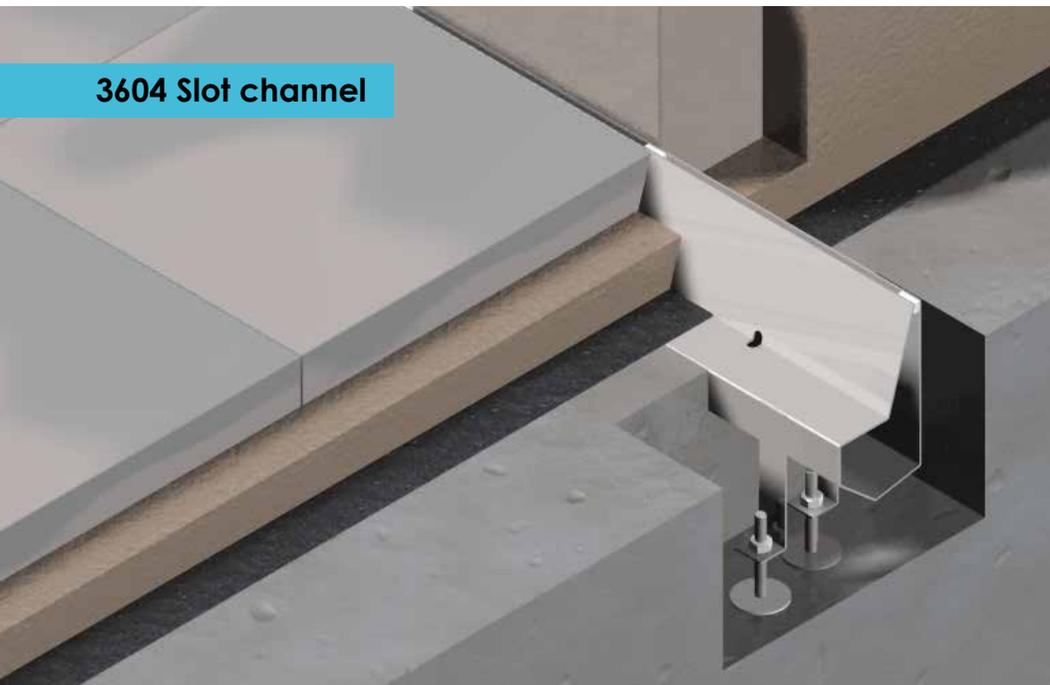
- Austenitic stainless steel (BS EN 10088:2) grades: 1.4301 (AISI 304) 1.4404 (AISI 316)
- Hygienic electropolished finish
- Discrete
- Lengths up to 5 metres
- Symmetrical or asymmetrical profiles
- Height adjustable
- Push fit sleeve joints
- Outlet options are available
- Can be made to exact requirements



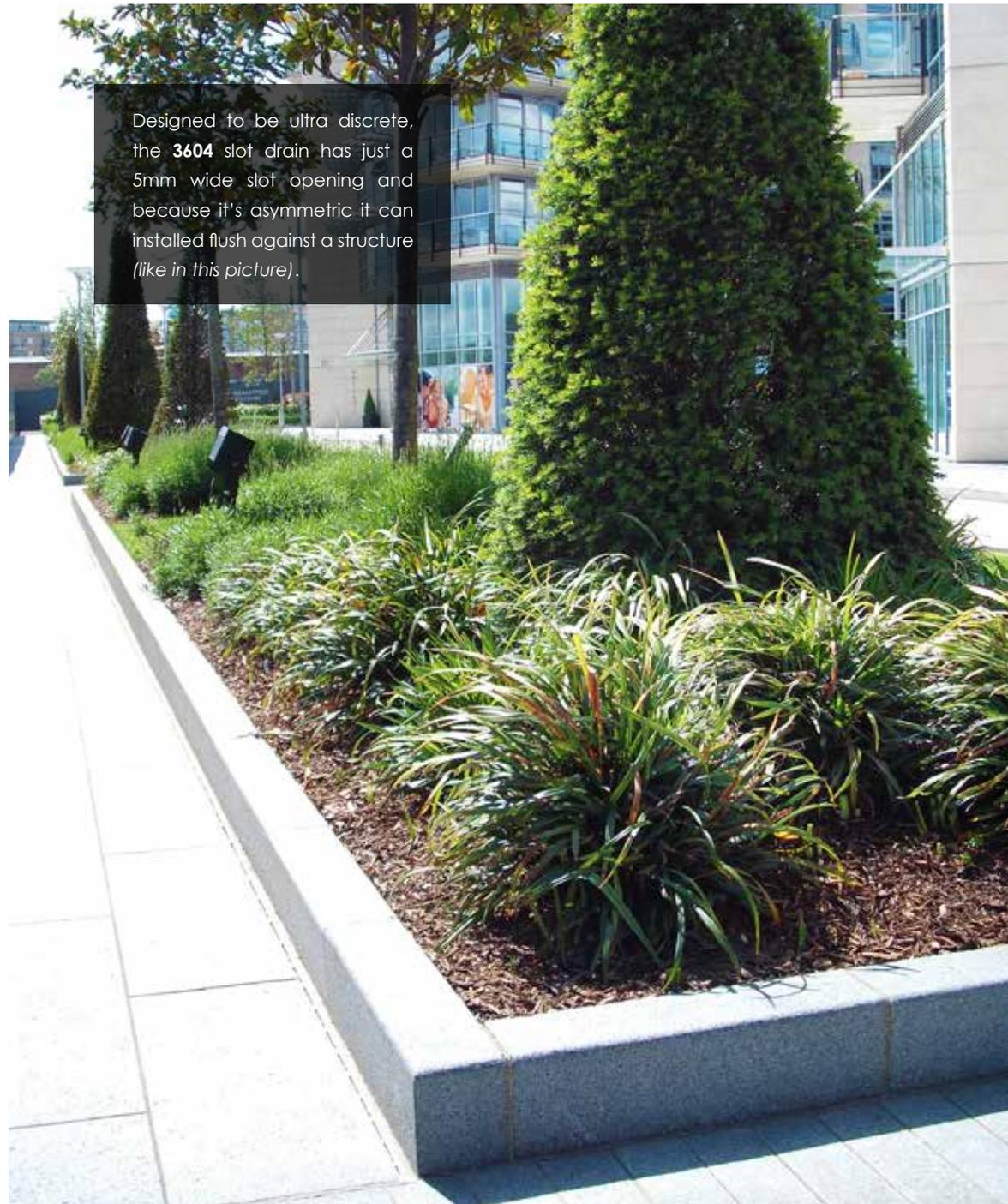
3603 Slot channel



3604 Slot channel



Designed to be ultra discrete, the **3604** slot drain has just a 5mm wide slot opening and because it's asymmetric it can be installed flush against a structure (like in this picture).

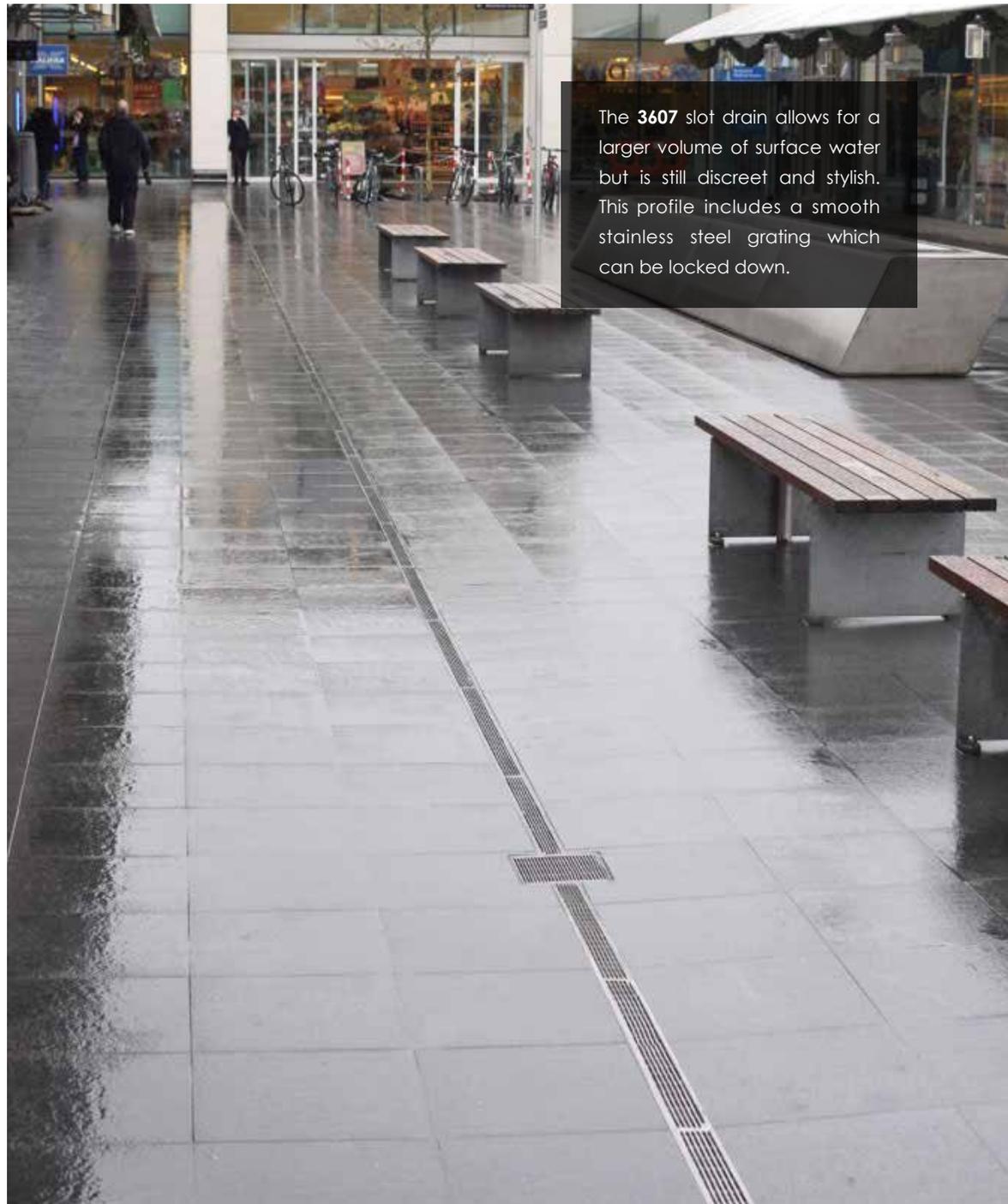




3607 Slot channel



3608 Slot channel



The **3607** slot drain allows for a larger volume of surface water but is still discreet and stylish. This profile includes a smooth stainless steel grating which can be locked down.

Facade channel (6081)

An exterior drainage solution

Ideally suited to roof terraces, balconies and building thresholds, the Façade channels are an essential component in the design of any building.

Acting as a transition between paved or decked areas the channel system provides a simple solution to jointing and sealing of the building's perimeter to it's external environment. Essentially providing a reservoir and means of transferring surface water to the drainage system.

The channel is available with a constant depth of 100mm or with a built-in, self-cleansing fall of

1:100 from 40mm deep.

Manufactured in bright annealed stainless steel, the channel systems are easy to clean due to their smooth surface and when used in conjunction with our Heelsafe grating, provide a high quality addition to any environment.

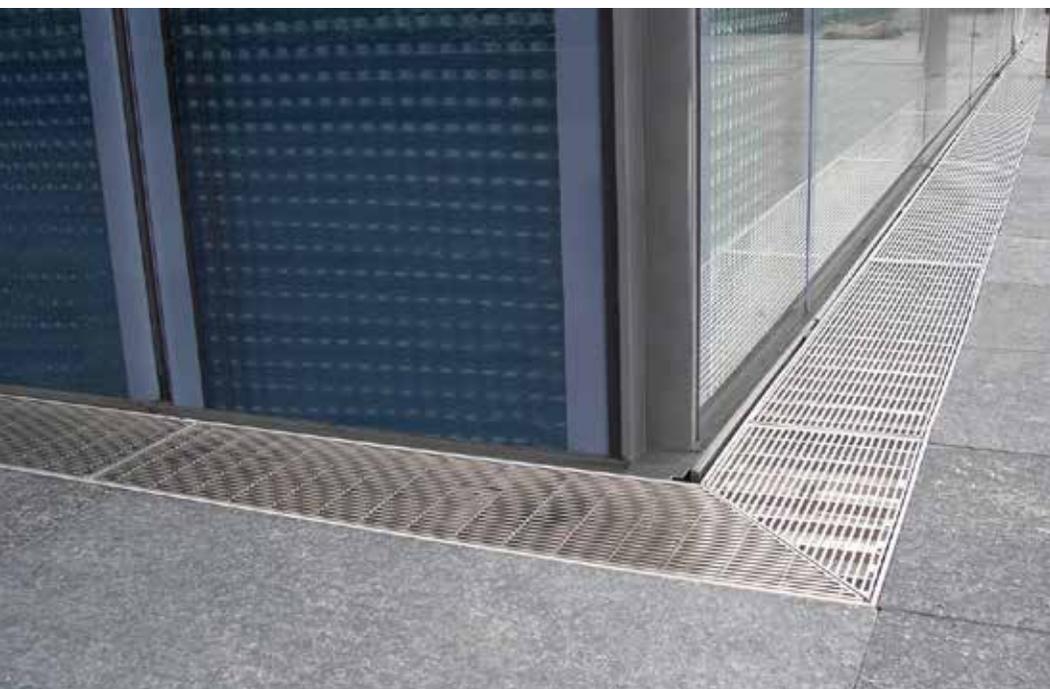
Safe mesh grating

The channels Heelsafe grating provides a greater free area whilst ensuring the mesh is narrow enough to be utilised within public areas and allows safe passage for stiletto heels.

Facade (6081) overview

- Austenitic stainless steel (BS EN 10088:2) grades: 1.4301 (AISI 304) 1.4404 (AISI 316)
- Hygienic electropolished finish
- Lengths up to 5 metres
- Height adjustable
- Push fit sleeve joints
- System can be mitred for corners
- Can be faceted for curved buildings
- Outlet options include perforations along channel side or spigots for direct connection to drainage points.
- Standard design

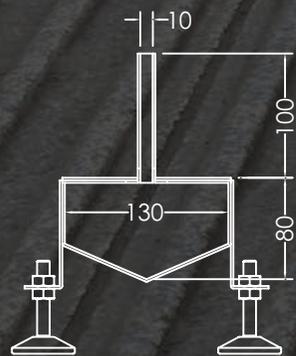
6081 Facade channel



The **6081** Facade channel is topped with a smooth heelsafe grating making it easy to walk on with any type of footwear.

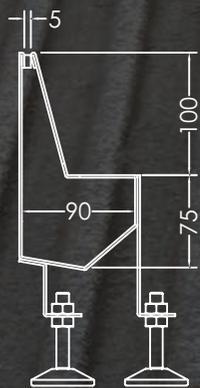


Channel profiles



3603

Centred slot drain
(Constant depth)



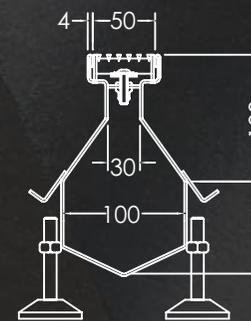
3604

Assymetric slot drain
(Constant depth)



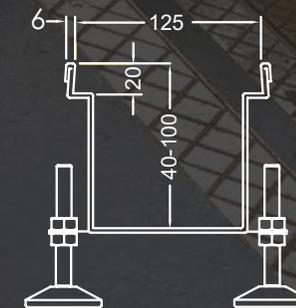
3608

Slot drain
(Built-in-fall)



3607

Slot drain
(Built-in-fall &
locked down grating)



6081

Facade drain
(With levelling feet
& sleeve joint)

Project examples

Ropemaker place

Covering an area of 609,775 sq ft, Ropemaker is a commercial building situated on a prominent city island close to Moorgate in the City of London.

CD Provided Facade drainage channels around the entire perimeter of the building.

As well as providing the drainage channels, we custom made planters and fascias for use throughout the garden areas, which cover several levels of the building.



“ CD offered expert advice and worked closely with Frosts at all stages of this complex project ”

Aidan Lane
Director - Frosts Landscape Construction

Aldgate Tower

The Aldgate tower is a state-of-the-art 317,000 square foot headquarters at the heart of the commercial quarter of Aldgate.

Specified for Facade drainage channels, we worked closely with Praters contractors onsite to help them achieve the architects vision.

Facade drainage channels were mitred to create a seamless curve around the 8th and 15th floors of the Tower.

Further channels were fitted on the 17th floor.



“ CD provided a quality service and end products. Prater will be utilising their services again ”

Russell Green
Contracts Manager - Prater



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