



polycon
surface water drainage

URBAN RANGE

Service . Range . Knowledge



Welcome To Polycon

Polycon is identified as one of the leading manufacturers, distributors, and suppliers of channel drainage in the UK. We focus towards creating a diverse range of water solutions, in a variety of different materials, including composite, polymer concrete, SMC, and steel.

Polycon's unique look at the market and expert knowledge of the industry ensures that we can supply a wide range of high-quality products suitable for any application. This includes building drainage, landscaping, sports facilities, distribution centres, highways, and airports.

Our design team provides innovative and efficient hydraulic solutions to ensure we can offer the best product/ solution for your drainage needs. We have a vast and experienced overview of our working industry and have been manufacturing, distributing, and selling channel drainage for over 8 years. We thrive on acting upon your feedback to improve and develop our products to fit flawlessly with the constantly changing market and demand from our customers.

At Polycon we focus our attention on professionals who sit within the construction industry, targeting our products to specifiers, architects, engineers, and contractors. Therefore, we understand the importance of expanding our product portfolio to create the most efficient surface water drainage systems.

We are a dynamic and evolving company with a focus on quality, innovation, and service. As a result, you can rely on us to handle your project needs in every way to the best of our ability.

Contents

<i>Threshold Range</i>	<i>3</i>
<i>Decorative Range</i>	<i>15</i>
<i>Lite Range</i>	<i>33</i>
<i>Self Range</i>	<i>71</i>

Service • Range • Knowledge

THRESHOLD LUXE

THRESHOLD *Luxe*

The Threshold Drainage systems offer a host of advantages that make them a preferred choice in various applications. These systems excel at collecting and swiftly discarding water, ensuring efficient drainage. Whether it's heavy rain or spillage, they efficiently redirect water away from the entrance of doorways, effectively preventing potential flooding and water damage. This rapid water management enhances safety and reduces maintenance costs.

The Threshold drainage systems are extremely lightweight. Their design simplifies handling and installation and contributes to their long-term durability. Furthermore, they are resistant to chemicals and rust, ensuring that they maintain their functionality and appearance even in challenging environments.

The discreet, minimalistic design of the system blends seamlessly with various architectural styles, adding aesthetic value. Additionally, they are simple to cut with a mitre saw, making customisation a breeze. Installation is straightforward, as they do not require trenches, saving a lot of time and effort. Their water-tight and secure protection, along with a no-directional design that mitigates the need for right- or left-hand fittings, makes Threshold Drainage systems an efficient and cost-effective solution for managing water and ensuring structural integrity.



Load Class



A15
1.5 tonnes

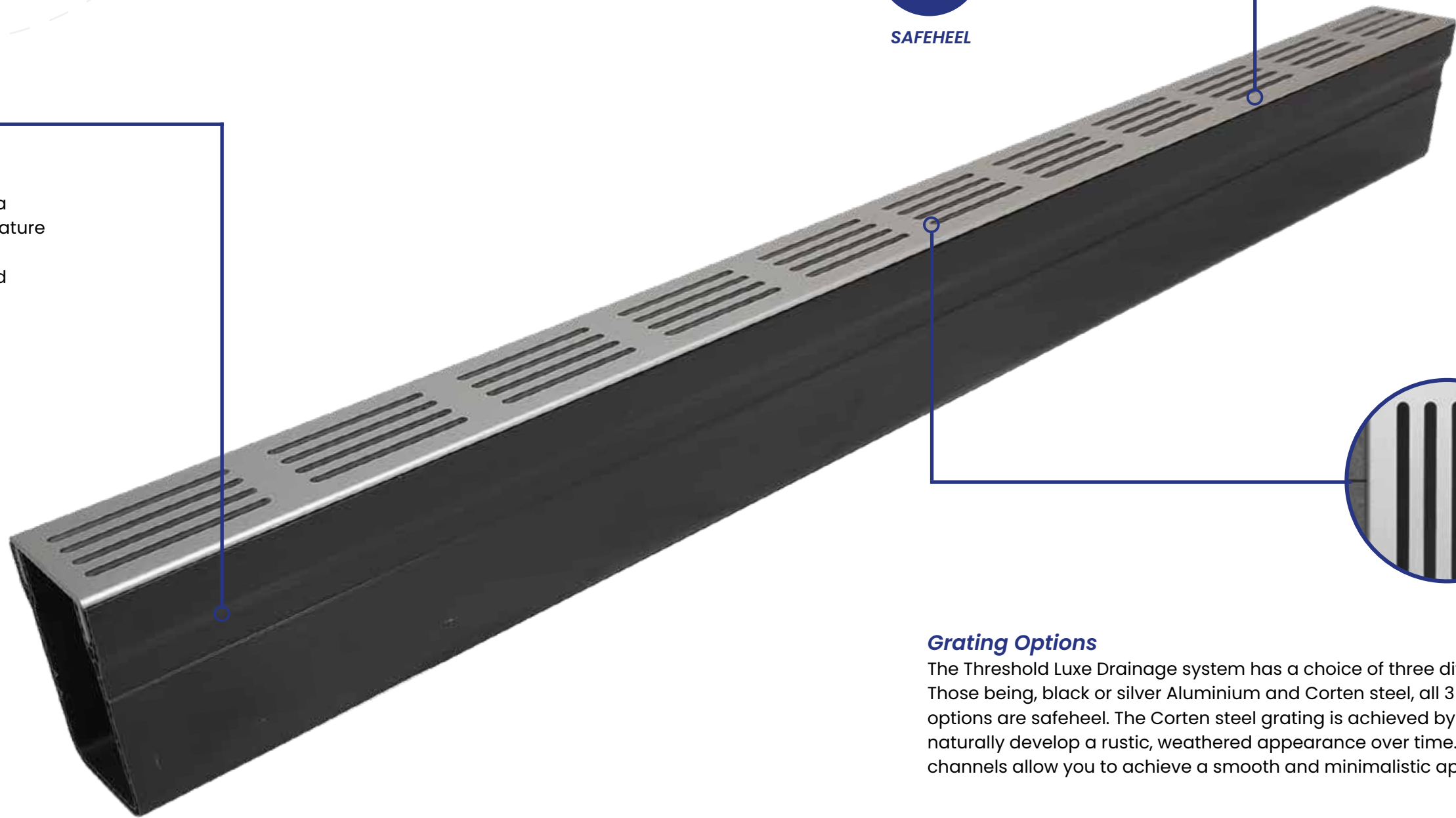
Applications

- Patios
- Gardens
- Decking
- Pool Areas
- Pedestrian Areas

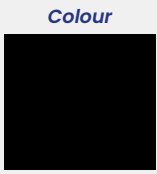
THRESHOLD Luxe - Overview

Material

The Threshold Luxe is manufactured from Polypropylene which has a high resistance to temperature changes, making them suitable for residential and pedestrian areas.



Channel Colour Options



Grating Options

The Threshold Luxe Drainage system has a choice of three different grating tops. Those being, black or silver Aluminium and Corten steel, all 3 of these grating options are safeheel. The Corten steel grating is achieved by allowing the channel to naturally develop a rustic, weathered appearance over time. Whereas the aluminium channels allow you to achieve a smooth and minimalistic appearance.

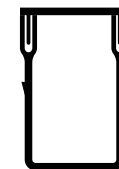
Load Classes



1.5t

A15

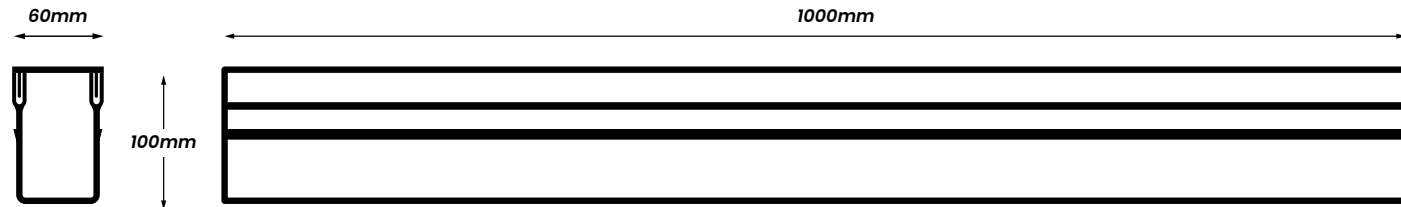
Depth Options



100mm

THRESHOLD Luxe - 100mm

The Threshold Luxe is an excellent system for drainage in front of doorways. Its slimline, sleek finish allows it to blend seamlessly within its surroundings while the functionality of the channel allows water to drain effectively from in front of your doorways and patios. All channels are available in 1mtr lengths.



Accessories

T-Junctions

The Threshold T-Junctions make the T section angles between channels, so no cutting is needed to connect them. Connectors will be needed to connect the channel to the T-Junctions at either end.



Corner Units

The Threshold Corner Units can be used to make 90 Degree angles between channels so that if you must take your run around corners no cutting is needed. Connectors connect the channel to the corner units at either end.



Connectors

Connectors are used between each length of the channel if you are connecting them in a row. The connector provides a watertight connection between channels.

Connectors are also available with an outlet.



End Caps

End caps can be used at either end of the channel to stop the flow of water.

Threshold End Cap Outlets can be used to connect the channel horizontally to an outlet using a 50mm diameter pipe.



Accessories - Specifications

Reference	Description	Height (mm)	Overall Width	Weight (KG)	Load Class	Outlet (mm)
TJ.TH.LUXE.S	Silver T-Junction	100	60		A15	-
TJ.TH.LUXE.B	Black T-Junction	100	60		A15	-
TJ.TH.LUXE.C	Corten T-Junction	100	60		A15	-
CU.TH.LUXE.S	Silver Corner Unit	100	60		A15	-
CU.TH.LUXE.B	Black Corner Unit	100	60		A15	-
CU.TH.LUXE.C	Corten Corner Unit	100	60		A15	-
C.TH.LUXE	Connector				A15	-
CO.TH.LUXE	Connector Outlet				A15	-
EC.TH.LUXE	End Cap	100	60		A15	-
EO.TH.LUXE	End Cap Outlet	100	60		A15	50

Grating Options - 100mm



Silver Grate (A15)



Black Grate (A15)



Corten Grate (A15)

Grating - Specifications

Reference	Description	Length (mm)	Slot Width	Overall Width	Load Class	SafeHeel
GR.TH.LUXE.S	Composite Diamond	1000	8	100	A15	✓
GR.TH.LUXE.B	Composite Longitudinal	1000	8	100	A15	✓
GR.TH.LUXE.C	Composite Mesh	1000	8	100	A15	✓

THRESHOLD MONO



THRESHOLD Mono

The Threshold Mono is a versatile and efficient solution for effective water management. The all-in-one system swiftly collects and discards water, ensuring seamless drainage. Whether it's heavy rainfall or accidental spills, the Threshold will efficiently redirect water away from entrances, effectively preventing potential flooding and water damage. Its rapid water management capabilities enhance safety and reduce maintenance costs.

One of the standout features of the Threshold Mono is its lightweight construction. This system is designed for easy handling and hassle-free installation, thanks to its lightweight build. Furthermore the Threshold Mono is resistant to chemicals and dust ensuring it maintains functionality and appearance even in harsh and corrosive environments.

The Threshold Mono is a comprehensive solution to linear drainage, its discreet and minimalistic design seamlessly integrates with various architectural styles, enhancing the aesthetic appeal of any space. Additionally, the Threshold Mono is simple and easy to install which eliminates the need for digging trenches. With its water-tight, secure protection and a non-directional design of the Threshold Mono eliminates the need for right- or left-hand fittings. This system provides an efficient and cost-effective solution for managing water and ensuring long-term structural integrity.

Load Class



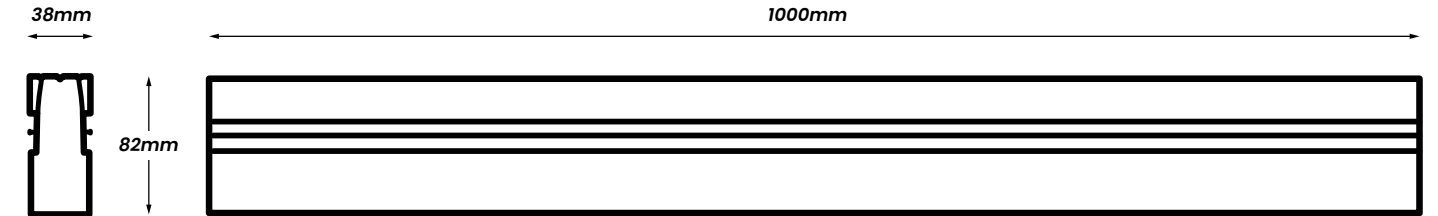
A15
1.5 tonnes

Applications

- Patios
- Gardens
- Decking
- Pool Areas
- Pedestrian Areas

THRESHOLD Mono - 82mm

The Threshold Mono is manufactured from high-density polyethylene. It is durable, lightweight, and has an aesthetic black finish. With its integrated grating and discreet 2mm inlet slots, this channel is ideal for smaller urban projects.



Accessories

Connectors

A connector is needed if you are placing multiple lengths of channels in a run. They are required between every piece of channel to create a secure watertight seal.



End Caps

An End Cap is needed at either end of the run, or both, if you need to stop the water from leaving the channel.

An End Cap Outlet can be used at the end of the run to allow water to be taken to your exterior drainage pipes and away from the channel.



Accessories - Specifications

Reference	Description	Height (mm)	Overall Width	Weight (KG)	Load Class	Outlet (mm)
C.TH.MONO	Mono Connector	84	40		A15	-
EC.TH.MONO	Mono End Cap	82	38		A15	-
EO.TH.MONO	Mono End Cap Outlet	82	38		A15	30

THRESHOLD Mono - Overview



Grating Options

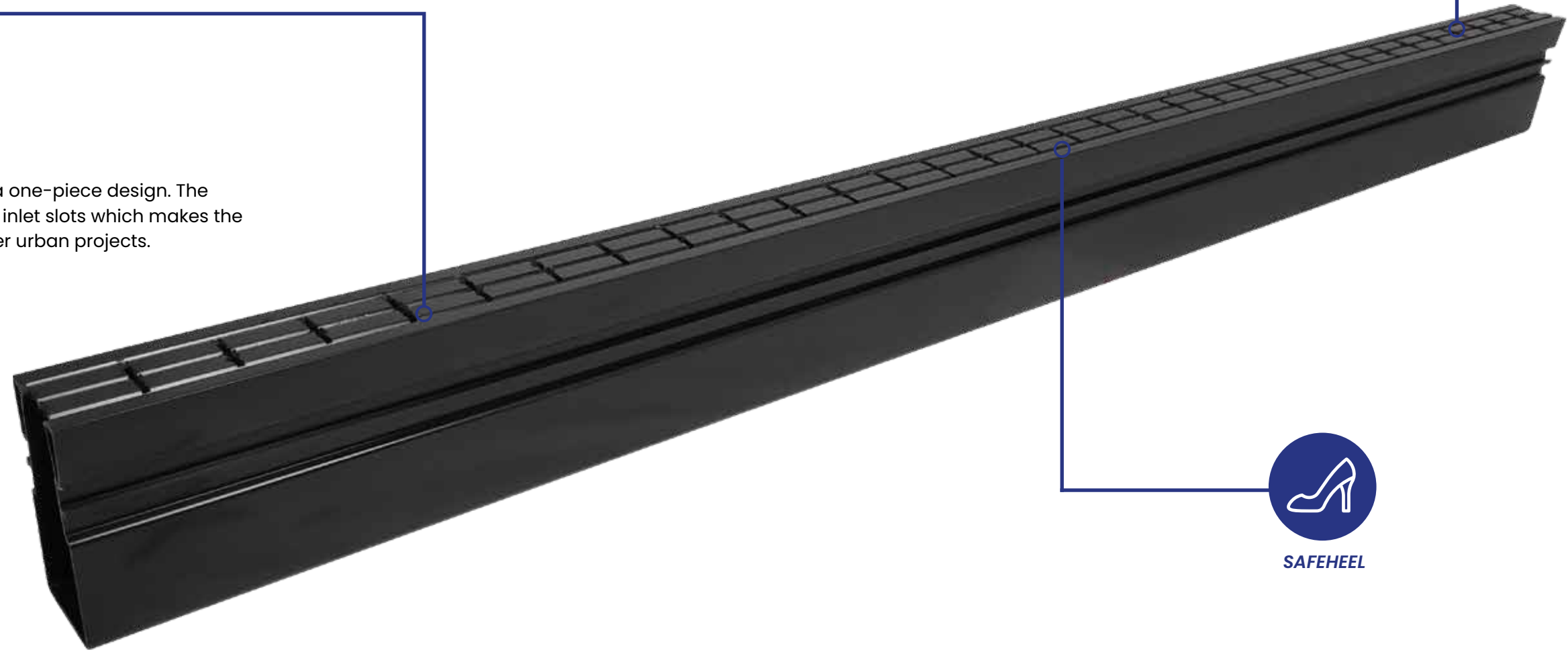
The Threshold Mono is a one-piece design. The black grating has 2mm inlet slots which makes the channel ideal for smaller urban projects.

Material

The Threshold Mono is made from high-density polyethylene. This material is durable and lightweight making for an easy installation. Its black finish adds an aesthetic feel to smaller urban projects.

Colour Options

Colour



SAFEHEEL

Load Classes



A15

Depth Options



82mm

MINI-78

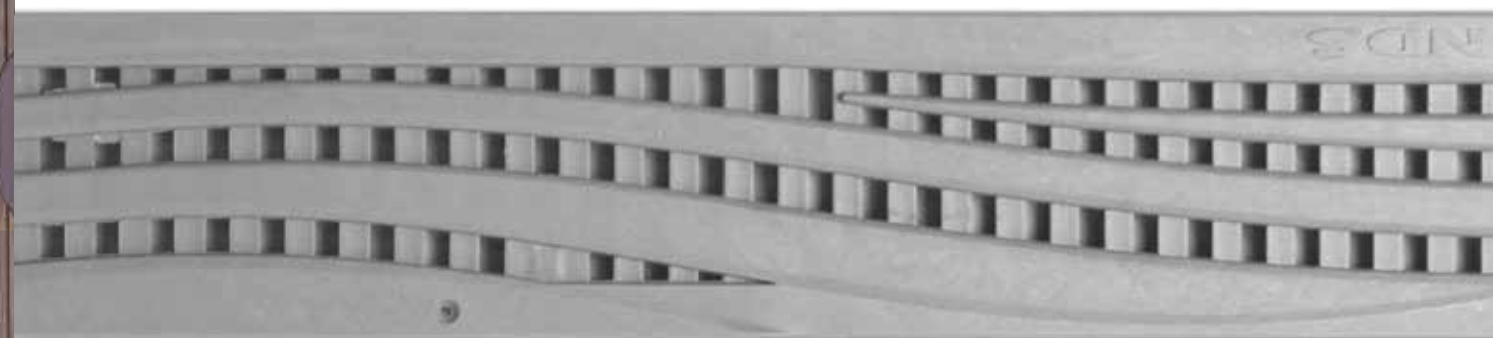
MINI-78 Channel

The Mini-78 channel drainage system offers a multitude of benefits in its compact design. Firstly, it's incredibly lightweight, making it effortless to handle and install. This ultimately reduces the time and effort needed for installation. This system is also constructed from materials that are both chemical resistant and resistant and rust-proof, ensuring longevity and reliability, even in challenging environments.

The Mini-78 drainage system is remarkably easy to install without the need for trenches. This not only saves time but also minimises disruption to your property. Its watertight and secure protection mechanisms ensure your property remains safeguarded against leaks and water-related damage.

The non-directional design of this system eliminates the complexity of right or left-handed fittings, streamlining the installation process and reducing the risk of error. These combined benefits make the Mini-78 channel drainage system a smart and efficient choice for a wider range of construction and renovation projects.

Another standout feature is its discreet and minimalistic design, ensuring it seamlessly blends into any environment without disrupting the aesthetics. Polycon offers a diverse selection of coloured gratings, allowing you to customize the channel's appearance to match your design preferences or surroundings. Additionally, a full range of accessories, including end caps, connectors, and outlets, simplifying installation and customisation.



Load Class



A15
1.5 tonnes

Applications

- Landscaping areas
- Pools and leisure
- Gardens
- Playgrounds

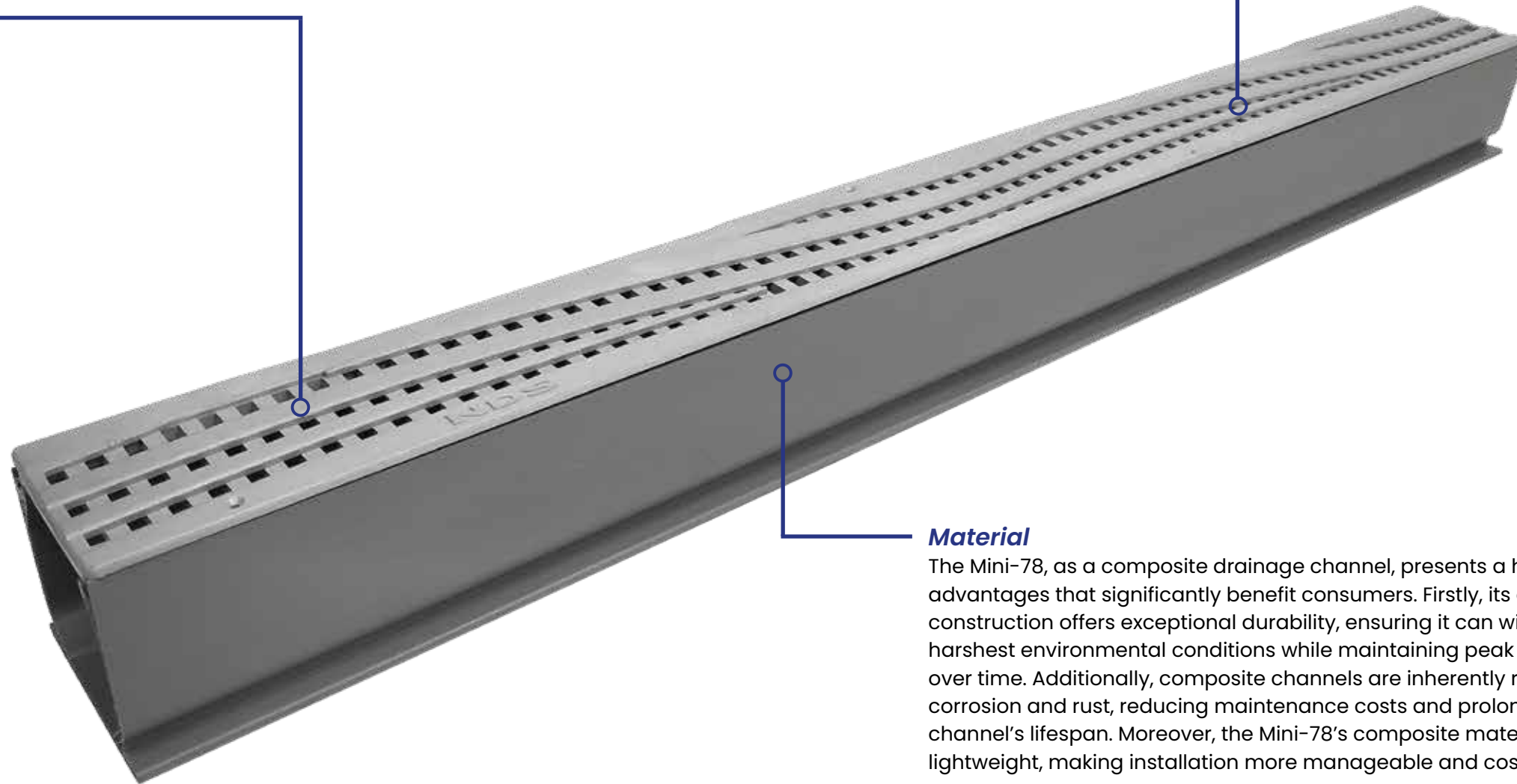
MINI-78 Channel - Overview

Colour Options

Grey



SAFEHEEL



Grating Options

Polycon's Mini-78 channel stands out as an exceptional drainage solution, offering both versatility and aesthetic appeal. The slotted grating option, provides an impressive array of five distinct colours, allowing customers to harmonize the drainage system with their specific design preferences or the surrounding environment effortlessly. Furthermore, the wave grating offers three unique colour choices, adding even more versatility to their product range. With this broad spectrum of colour options available, the Mini-78 channel not only excels in functionality but also enhances the visual appeal of any residential space.

Material

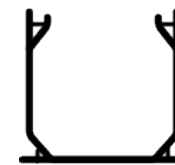
The Mini-78, as a composite drainage channel, presents a host of advantages that significantly benefit consumers. Firstly, its composite construction offers exceptional durability, ensuring it can withstand the harshest environmental conditions while maintaining peak performance over time. Additionally, composite channels are inherently resistant to corrosion and rust, reducing maintenance costs and prolonging the channel's lifespan. Moreover, the Mini-78's composite materials are lightweight, making installation more manageable and cost-effective.

Load Classes



A15

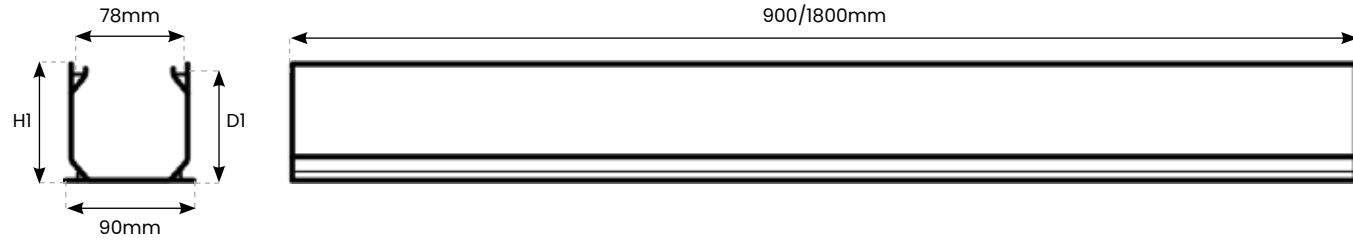
Depth Options



80mm

MINI-78 Channel

The Mini-78 drainage channel supplied by Polycon offers a discreet design, multiple different options for customisation, a comprehensive range of accessories, durability, and ease of installation, making it an excellent choice for residential settings.



Accessories

The corner unit for the Mini-78 allows for seamless turns and angles in your drainage system. It provides a tidy and functional solution for redirecting water flow around corners.

End caps are used at the end of the channel run to stop the flow of water.

The channel Connector simplifies the process of extending or joining multiple Mini-78 drainage channels together. It allows for a secure and watertight connection between two channel sections.

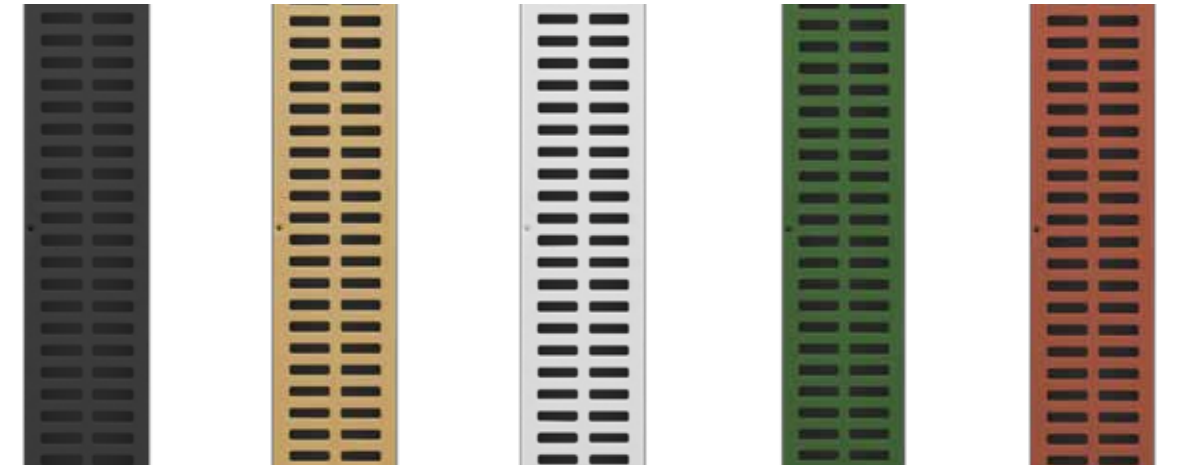
The outlet connector is a crucial accessory for the Mini-78 drainage channel, providing a connection point to direct collected water to the desired outlet, such as a drain or sewer system.



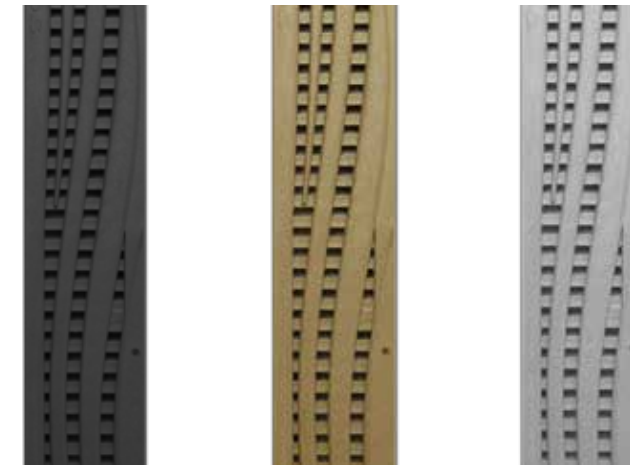
Accessories- Specifications

Reference	Description	Length	Height (H)	Overall Width	Weight (KG)	Outlet
CU.MINI.78	Mini-78 Corner Unit	100mm	80mm	78mm	0.5kg	-
O.MINI.78	Mini-78 Outlet	15mm	80mm	78mm	0.1kg	110mm
C.MINI.78	Mini-78 Connector	30mm	80mm	78mm	0.3kg	-
EC.MINI.78	Mini-78 End Cap	22mm	80mm	78mm	0.4kg	-

Grating Options- 78mm



Slotted Black (A15) Slotted Tan (A15) Slotted White (A15) Slotted Green (A15) Slotted Orange (A15)



Wave Black (A15) Wave Tan (A15) Wave Grey (A15)

Grating - Specifications

Reference	Description	Length	Internal Width	Overall Width	Overall Depth(H1)	Internal Depth(D1)	Load Class	Safe Heel
MINI.78.SGB	Mini-78 Channel + Slotted Grating Black	900/1800mm	78mm	90mm	80mm	73mm	A	Yes
MINI.78.SGT	Mini-78 Channel + Slotted Grating Tan	900/1800mm	78mm	90mm	80mm	73mm	A	Yes
MINI.78.SGW	Mini-78 Channel + Slotted Grating White	900/1800mm	78mm	90mm	80mm	73mm	A	Yes
MINI.78.SGG	Mini-78 Channel + Slotted Grating Green	900/1800mm	78mm	90mm	80mm	73mm	A	Yes
MINI.78.SGO	Mini-78 Channel + Slotted Grating Orange	900/1800mm	78mm	90mm	80mm	73mm	A	Yes
MINI.78.WGB	Mini-78 Channel + Wave Grating Black	900/1800mm	78mm	90mm	80mm	73mm	A	Yes
MINI.78.WGT	Mini-78 Channel + Wave Grating Tan	900/1800mm	78mm	90mm	80mm	73mm	A	Yes
MINI.78.WGG	Mini-78 Channel + Wave Grating Grey	900/1800mm	78mm	90mm	80mm	73mm	A	Yes

NDS PRO SERIES

NDS Pro Series

The NDS Pro Series drainage Channel is a cutting-edge solution designed to excel in various drainage applications. One of its standout features are the extended side ribs, which significantly enhances channel strength. These robust side ribs provide exceptional support, ensuring the system can bare substantial loads and endure challenging environmental conditions.

What sets the NDS Pro Series apart is its ingenious Qwik-Turn coupling technology. This feature enables the effortless creation of curved channels, providing unparalleled design flexibility. Whether you're working on a landscaping project with winding pathways or need a drainage system to conform to unique layouts, the Qwik-Turn coupling simplifies the process, making it suitable for a wide range of applications.

To further ensure the longevity of the NDS Pro Series, UV inhibitors are incorporated into the channel material. This prevents fading and cracking due to prolonged sun exposure, preserving both the aesthetics and structural integrity of the system. This UV resistance is particularly valuable for outdoor installations, where the channel must maintain its performance and appearance over time.

The NDS Pro Series Drainage Channel also boasts bottom outlets and side knockouts, offering approximately 8 knockouts per channel section. This feature grants engineers and installers' unparalleled design and installation flexibility. The system can be customised to fit specific project requirements with ease, minimizing material waste and streamlining the installation process. This level of adaptability makes the NDS Pro Series a top choice for professionals seeking efficiency and versatility in drainage solutions.



Load Class



A15
1.5 tonnes

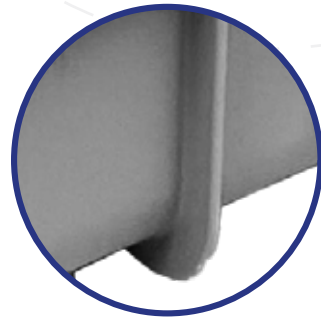


B125
12.5 tonnes

Applications

- Landscaping areas
- Courtyards
- Plazas
- Pool areas
- Sports facilities

NDS Pro Series - Overview



Channel Ribs

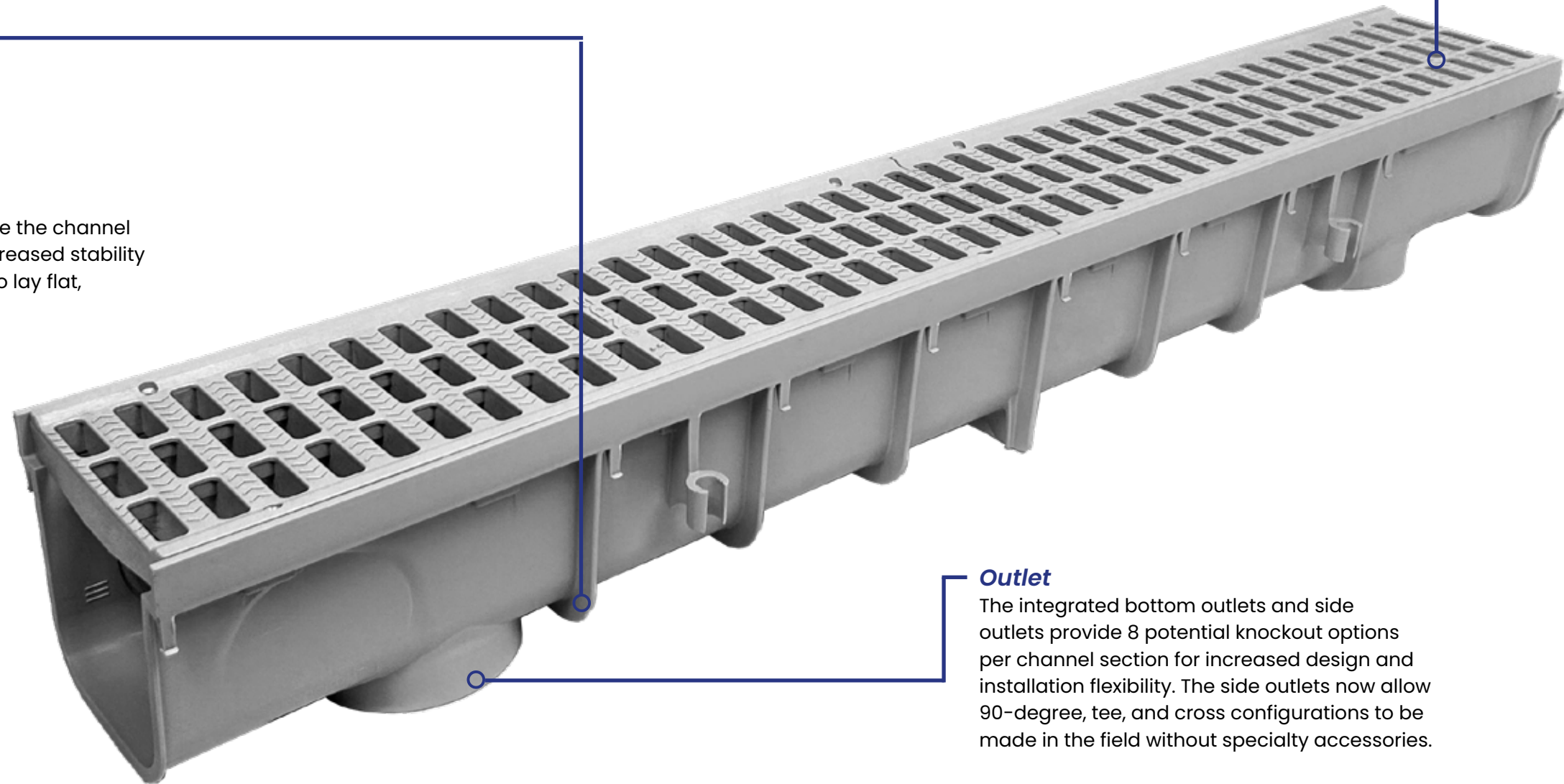
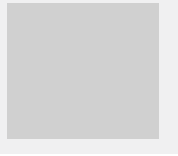
The channel's external ribs provide the channel with exceptional strength and increased stability whilst also allowing the channel to lay flat, easing the installation process.

Material

The NDS Pro Series system is a lightweight, drainage channel made from polyethylene. This material boasts a robust exterior whilst also being extremely lightweight. This aids in eliminating labour costs due to minimal / no machinery needed for its installation. It is a durable solution for urban projects and its enhanced protection means water vapour cannot pass through it.

Colour Options

Grey



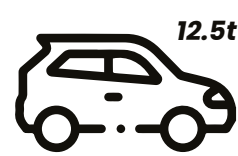
Outlet

The integrated bottom outlets and side outlets provide 8 potential knockout options per channel section for increased design and installation flexibility. The side outlets now allow 90-degree, tee, and cross configurations to be made in the field without specialty accessories.

Load Classes

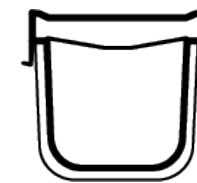


A15



B125

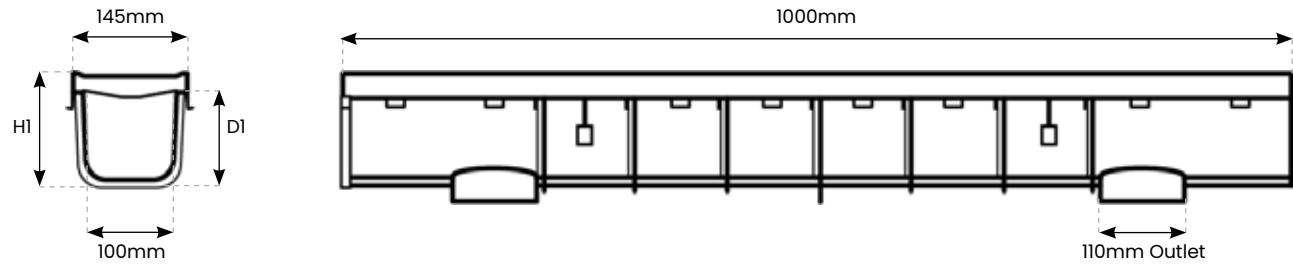
Depth Options



195mm

NDS Pro Series

The NDS Pro Series channel is a lightweight drainage system, designed with a multitude of advantages. Its modular design offers great flexibility as each section of the channel can be snapped together for longer runs or divided down to lengths as short as 4" for smaller, interlocking sections.



Accessories

Qwik-Turn Radius Coupling

The NDS Pro Series Qwik-Turn Radius Coupling allows for curving layouts with up to 6 degrees of deflection between couplings and channels – NDS is the only drainage manufacturer to offer this incredible ability.



Qwik-Turn Radius Coupling

End Cap & Outlet

End caps are used at the end of the channel run to stop the flow of water. The outlet can be used to direct the flow of water towards an external drainage system.



End Cap / Outlet

Accessories - Specifications

Reference	Description	Height (H)	Overall Width	Length	Load Class	Outlet
QTRC.NDS.PS.W	NDS Pro Series Qwik-Turn Radius Coupling White	140mm	190mm	60mm	A/B	-
QTRC.NDS.PS.G	NDS Pro Series Qwik-Turn Radius Coupling Grey	140mm	190mm	60mm	A/B	-
ECO.NDS.PS	NDS Pro Series End Cap Outlet	125mm	140mm	50mm	-	110mm

Grating Options



Grey Grating (B125)



Black Grating (B125)



White Grating (B125)

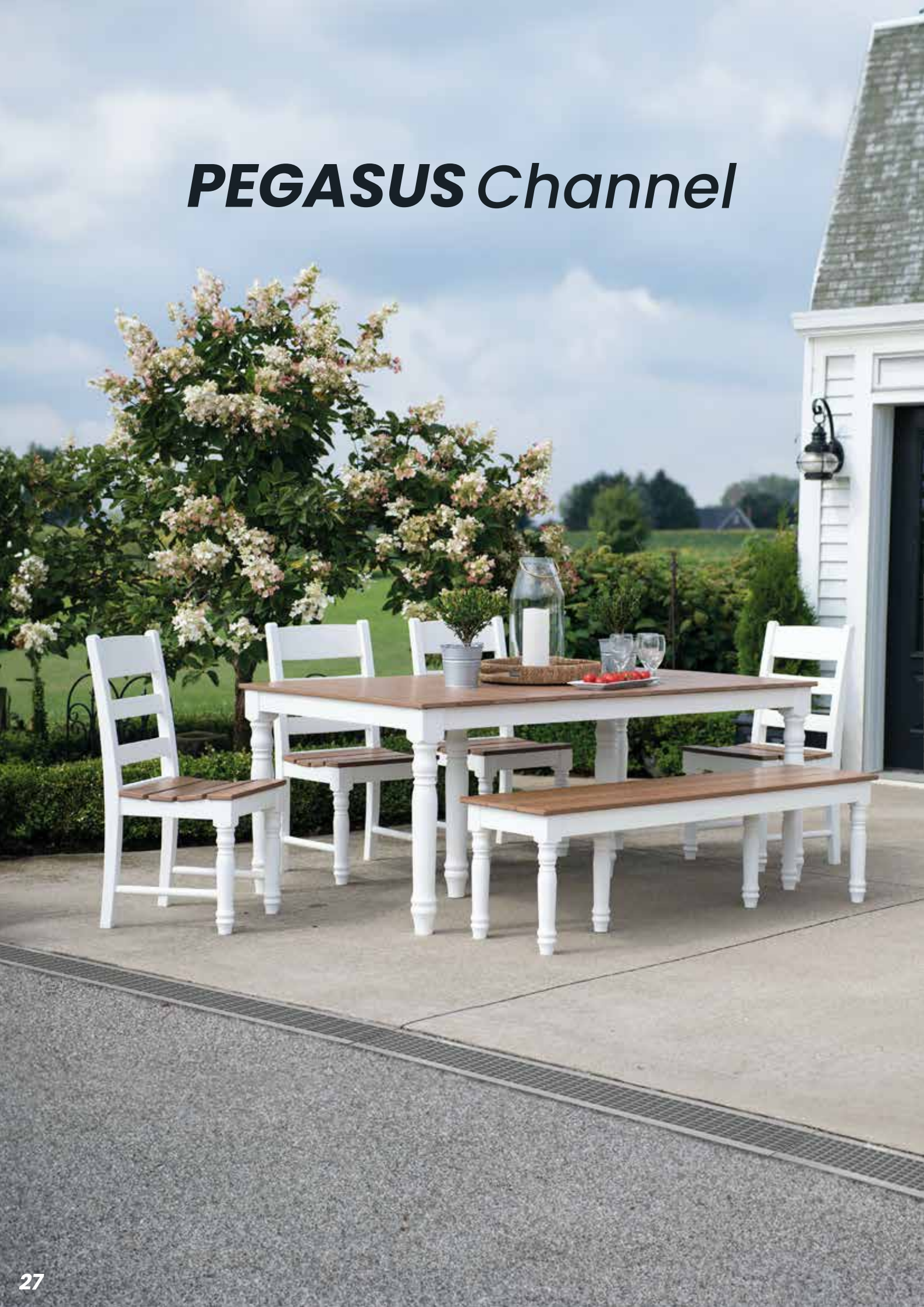


Tan Grating (B125)

Grating - Specifications

Reference	Description	Internal Width	Overall Width	Overall Depth(H1)	Internal Depth(D1)	Load Class	Safe Heel
NDS.PS.GG	NDS Pro Series Channel + 2x 500mm Grey Grating	100mm	145mm	125mm	110mm	A/B	-
NDS.PS.BG	NDS Pro Series Channel + 2x 500mm Black Grating	100mm	145mm	125mm	110mm	A/B	-
NDS.PS.WG	NDS Pro Series Channel + 2x 500mm White Grating	100mm	145mm	125mm	110mm	A/B	-
NDS.PS.TG	NDS Pro Series Channel + 2x 500mm Tan Grating	100mm	145mm	125mm	110mm	A/B	-

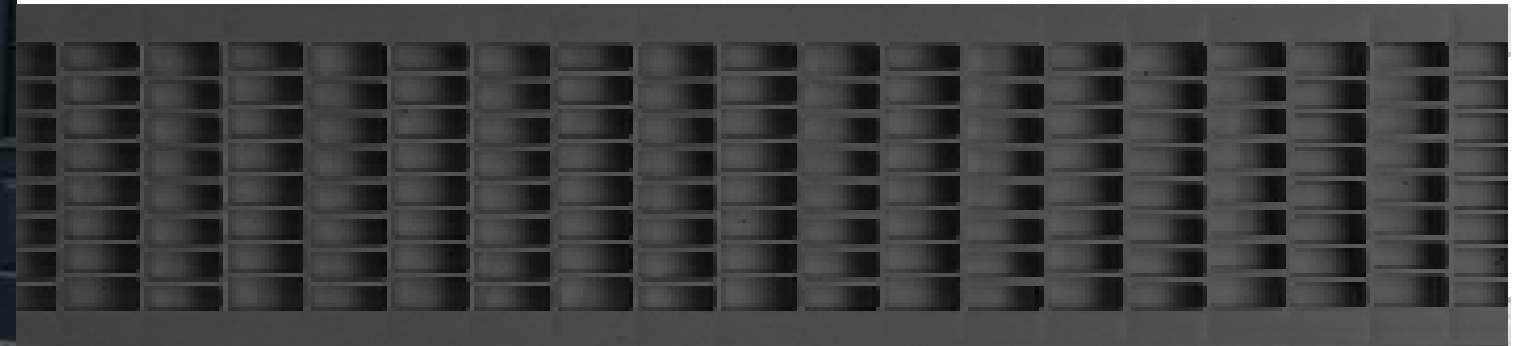
PEGASUS Channel



PEGASUS Channel

The Pegasus Drainage system is designed with a streamlined profile, ensuring efficient water flow and the prevention of water build-up or pooling, keeping your property safe and protected. The channels design and shallow profile facilitate a straightforward installation, reducing labour time and costs. Additionally, its grating is easily removable for maintenance purposes, ensuring a hassle-free upkeep and cleaning process.

The Pegasus channel boasts a sleek and modern design, allowing you to create an eye catching environment. Due to its unobtrusive appearance, the Pegasus channel complements the surrounding landscapes whilst effectively performing its drainage function. At Polycon we are committed to maintaining high industry standards, ensuring that the Pegasus drainage channel meets all necessary regulations and quality requirements



Load Class

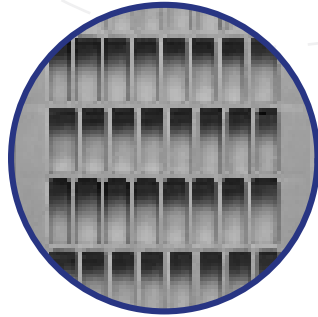


A15
1.5 tonnes

Applications

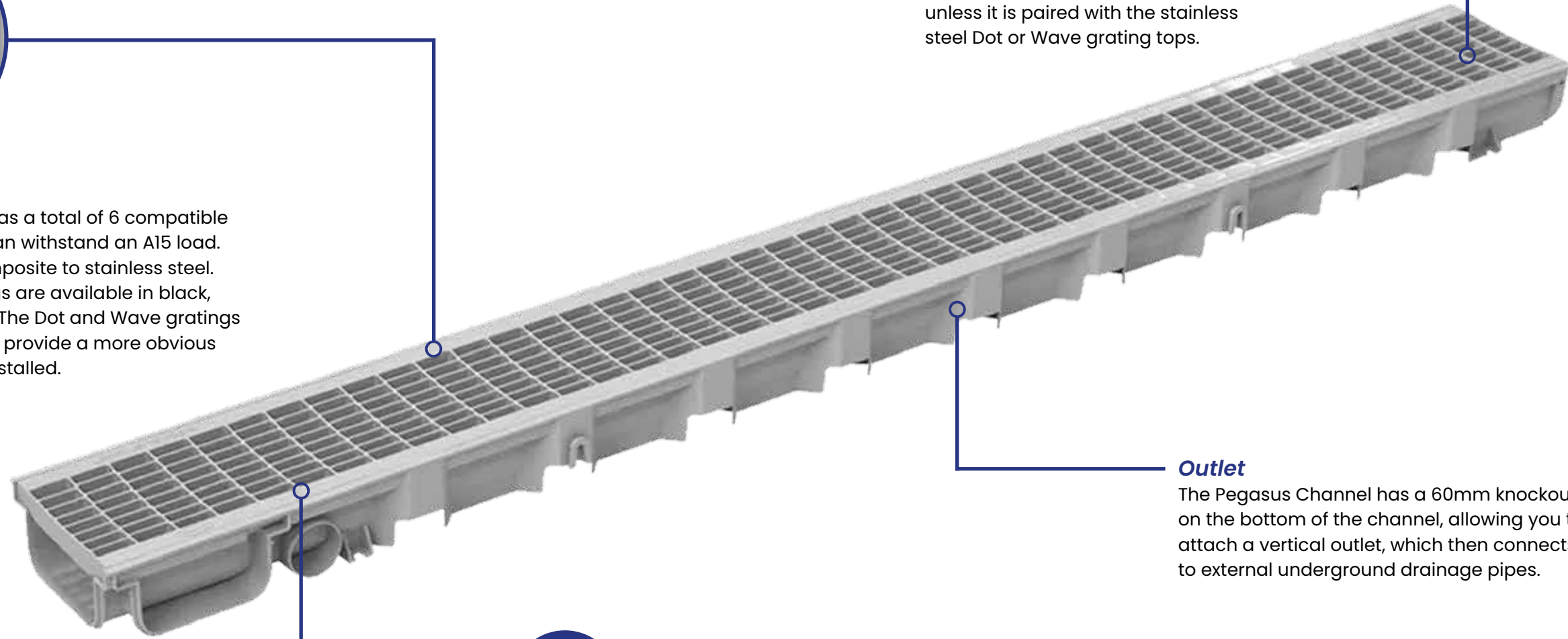
- Patios
- Porcelain Paved Areas
- Paved Areas
- Natural Stone

PEGASUS Channel - Overview



Grating Options

The Pegasus system has a total of 6 compatible grating options that can withstand an A15 load. These range from composite to stainless steel. The composite gratings are available in black, white, grey, and sand. The Dot and Wave gratings are stainless steel and provide a more obvious aesthetic look when installed.

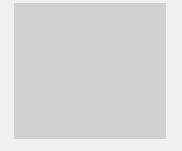


Material

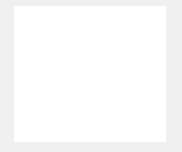
The Pegasus channel base is made from a strong yet lightweight composite material. This makes for an easy installation whilst ensuring a reliable solution that can withstand pedestrian traffic. The system comes as a complete composite system unless it is paired with the stainless steel Dot or Wave grating tops.

Colour Options

Grey



White



Sand



Black



Outlet

The Pegasus Channel has a 60mm knockout on the bottom of the channel, allowing you to attach a vertical outlet, which then connects to external underground drainage pipes.



SAFEHEEL

Load Classes



A15

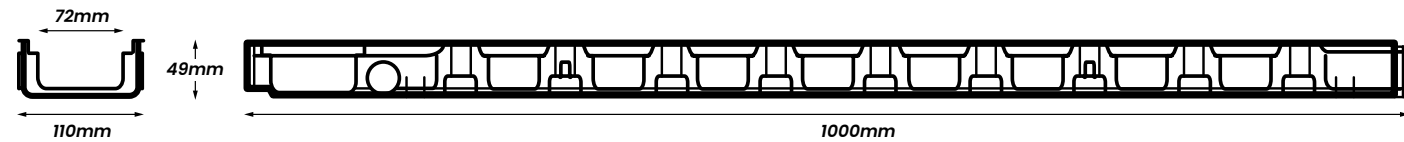
Depth Options



49mm

PEGASUS Channel - 49mm

The Pegasus Channel is one of the shallowest channels in the industry with a depth of just 49mm. This makes it ideal for any urbanised areas where there is limited room for excavation. This Channel has a load class for A15 (1.5 Tonne) and is suitable for urban and domestic areas where slow-moving traffic and pedestrians will be traveling across the channel.



Accessories

- End Caps
- End Cap Outlets



End Cap Outlets

End Cap Outlet can be used at the end of the run to allow water to be taken to your exterior drainage pipes and away from the channel.



End Caps

End caps for the Pegasus Channel can be used at the end of your channel run to stop the flow of water.

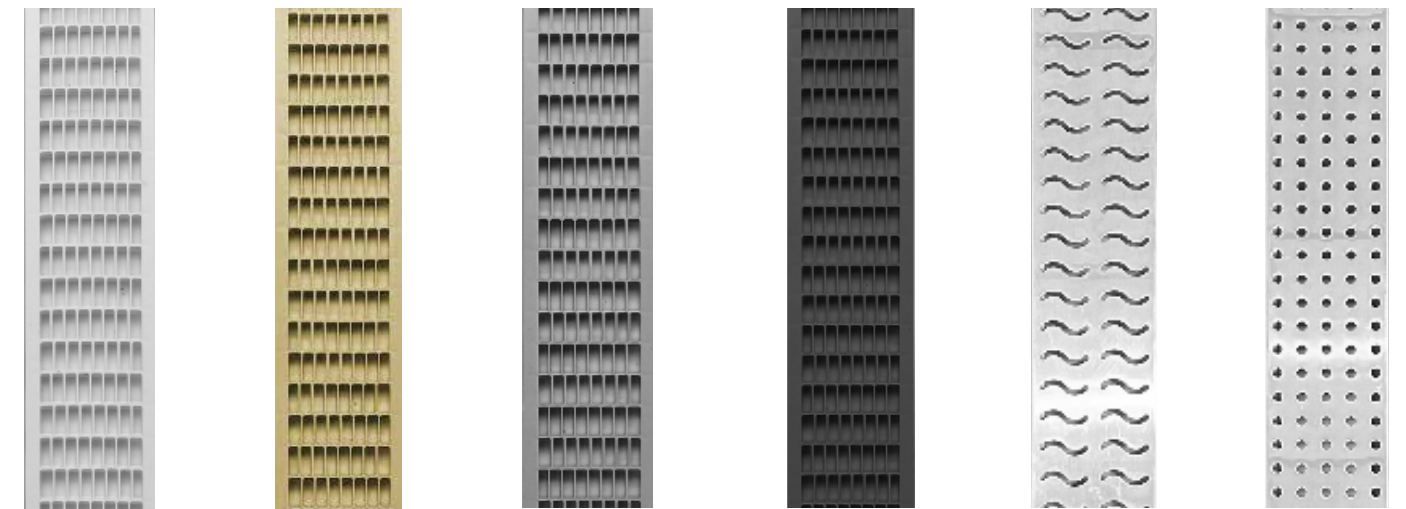


Accessory - Specifications

Reference	Description	Height (mm)	Overall Width	Weight (KG)	Load Class	Outlet (mm)
EO.PEG.W	End Cap Outlet White	49	90	-	A15	30
EO.PEG.S	End Cap Outlet Sand	49	90	-	A15	30
EO.PEG.G	End Cap Outlet Grey	49	90	-	A15	30
EO.PEG.B	End Cap Outlet Black	49	90	-	A15	30
EC.PEG.W	End Cap White	49	90	-	A15	-
EC.PEG.S	End Cap Sand	49	90	-	A15	-
EC.PEG.G	End Cap Grey	49	90	-	A15	-
EC.PEG.B	End Cap Black	49	90	-	A15	-

*Colour is dependent on the channel selected

Grating Options - 49mm



Composite Mesh White (A15)

Composite Mesh Sand (A15)

Composite Mesh Grey (A15)

Composite Mesh Black (A15)

Stainless Steel Wave (A15)

Stainless Steel Dots (A15)

Grating - Specifications

Reference	Description	Length (mm)	Slot Width/ Diameter	Overall Width	Load Class	SafeHeel
GR.PEG.W	Composite Mesh White	1000	7mm	90	A15	✓
GR.PEG.S	Composite Mesh Sand	1000	7mm	90	A15	✓
GR.PEG.G	Composite Mesh Grey	1000	7mm	90	A15	✓
GR.PEG.B	Composite Mesh Black	1000	7mm	90	A15	✓
GR.PEG.WV	Stainless Steel Wave	1000	4mm	90	A15	✓
GR.PEG.D	Stainless Steel Dots	1000	6mm	90	A15	✓

LITE AQUA

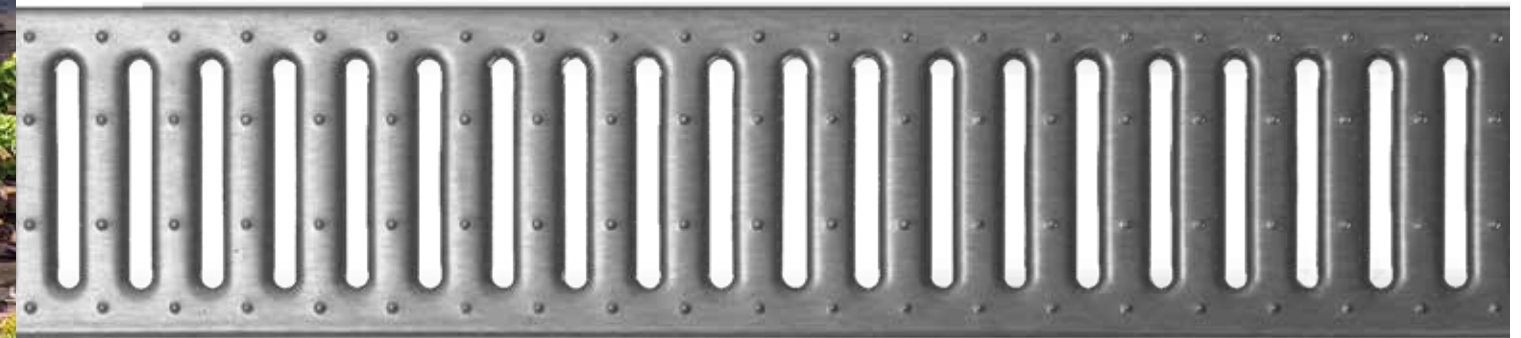
LITE AQUA

This innovative drainage system boasts a range of features tailored for optimal performance. Enhanced durability is ensured through the incorporation of external stiffening ribs providing robustness that withstands external pressures and maintains the system's form. The male-to-female coupling system simplifies assembly between two channels, guaranteeing a secure and seamless fit that upholds structural integrity.

Addressing functionality and hygiene, the system includes corner units compatible with all grating types. These units cleverly house foul air traps, effectively preventing unpleasant odours from resurfacing.

Furthermore, an outlet point is located on the bottom of the channel which facilitates efficient water dispersal, preventing pooling and potential damage.

The design pays thorough attention to hydraulic efficiency, with perfectly smooth channel surface that optimises water flow. The commitment to excellence extends to watertight integrity, ensuring a completely sealed system without any vulnerable connection gaps. Installation flexibility is also granted through the choice of snap lock or bolt & bar fixings, catering to various preference and requirements.



Load Class



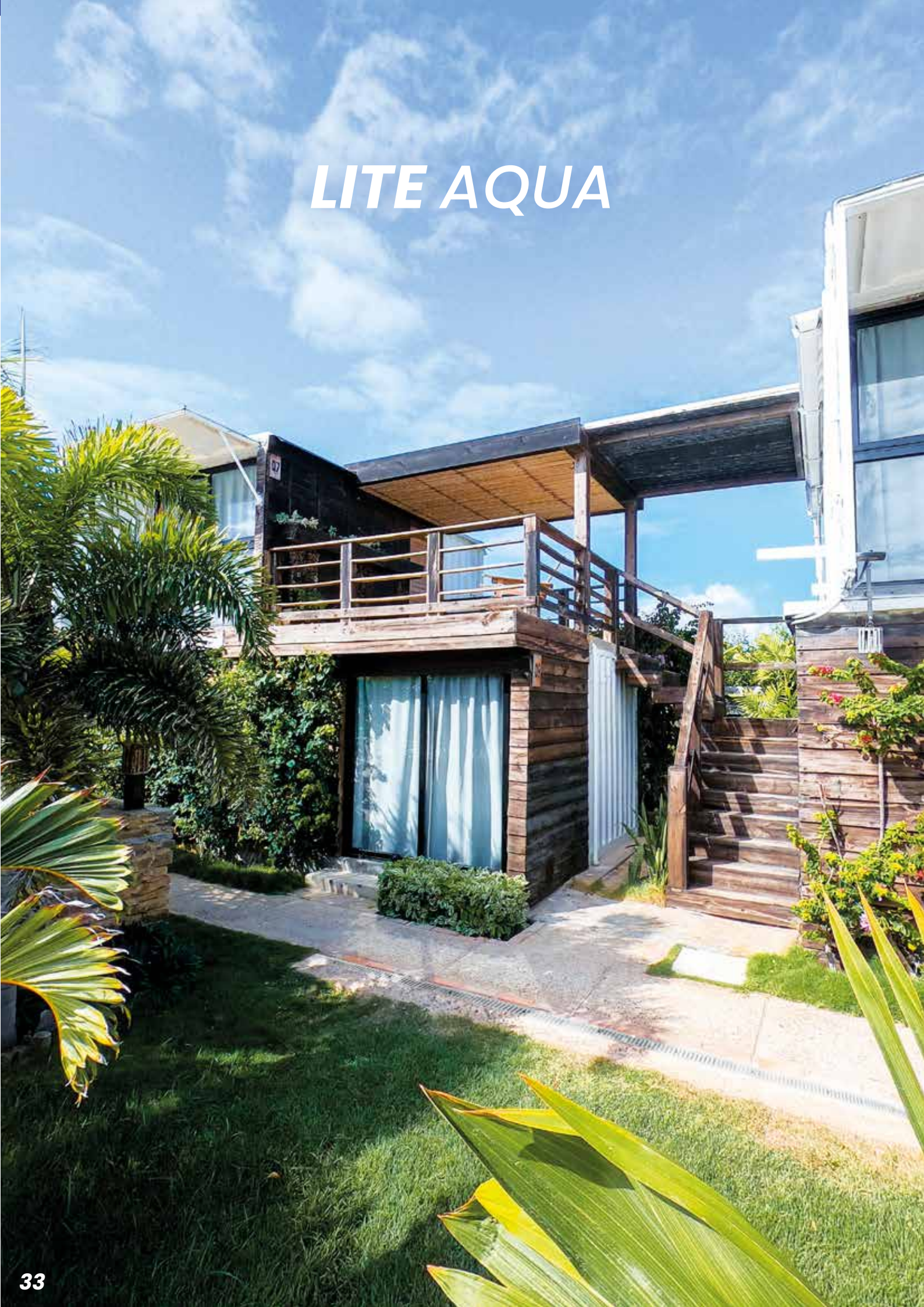
A15
1.5 tonnes



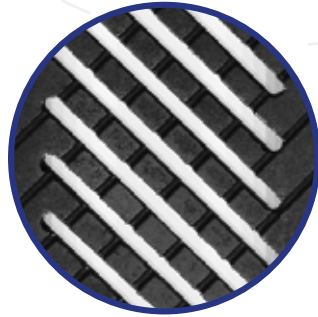
B125
12.5 tonnes

Applications

- Pedestrian areas
- Domestic & civil areas
- Sports & leisure
- Terrace & balconies
- Residential areas



LITE AQUA - Overview



Grating Options

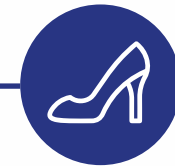
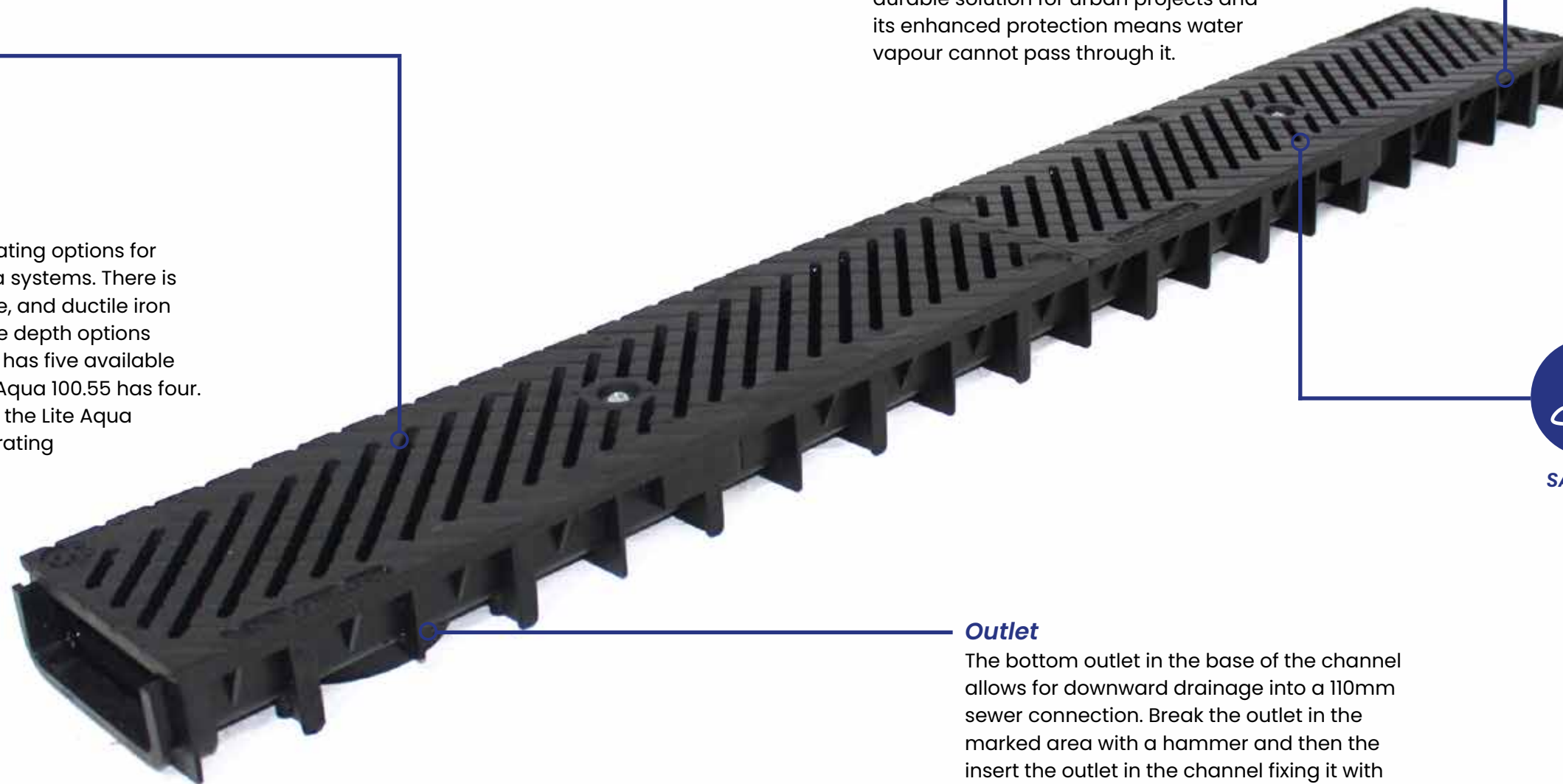
There are a range of varied grating options for each of the available Lite Aqua systems. There is a mix of galvanised, composite, and ductile iron grating tops that fit each of the depth options available. The Lite Aqua 100.92 has five available grating options whilst the Lite Aqua 100.55 has four. The shallowest depth option is the Lite Aqua 100.45/100.48 which has two grating options available.

Material

The Lite Aqua system is a lightweight, drainage channel made from polyethylene. This material boasts a robust exterior whilst also being extremely lightweight. This aids in eliminating labour costs due to minimal / no machinery needed for its installation. It is a durable solution for urban projects and its enhanced protection means water vapour cannot pass through it.

Colour Options

Black



SAFEHEEL

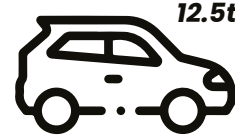
Outlet

The bottom outlet in the base of the channel allows for downward drainage into a 110mm sewer connection. Break the outlet in the marked area with a hammer and then the insert the outlet in the channel fixing it with the four screws supplied.

Load Classes



A15



B125

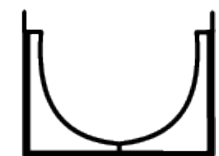
Depth Options



45mm



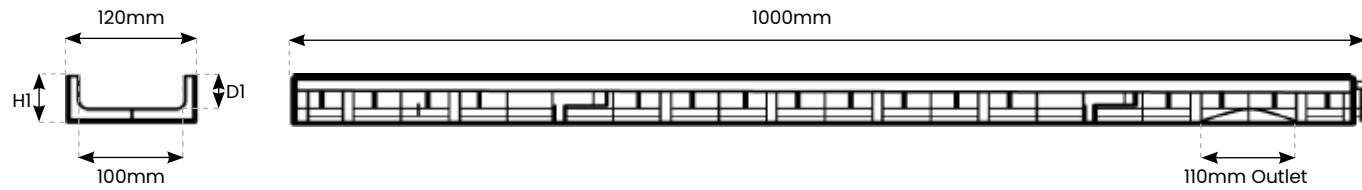
55mm



92mm

LITE AQUA - 100.45/100.48

The Lite Aqua 100.45 & 100.48 are lightweight systems made from polyethylene. They both have an incredibly shallow depth of 45mm and 48mm, making them the perfect choice for sites that require minimal digging. The overlay gratings available for the systems provide a clean and minimal look whilst offering great strength in their design.



Accessories

The Lite Aqua 100.45 has a complete range of accessories to complete the system. It has end caps and corner units with matching grating tops. The end caps are used for blocking off the end of the channel run while the corner units allow the system to be able to turn 90° corners within the channel run.



Galvanised Steel Slotted Sump Unit



Ductile Iron Safeheel Slotted Sump Unit

Corner Units

There is a matching corner unit for each of the 2 available gratings in the Lite Aqua system. The corner units come with a built-in foul air trap to stop unwanted smells from travelling back up through the system.



Galvanised Steel Slotted



Ductile Iron Safeheel Slotted

End Cap & Outlet

End caps are used at the end of the channel run to stop the flow of water.



End Cap



Outlet



Bolt & Bar

Accessories - Specifications

Reference	Description	Height (H)	Overall Width	Weight (KG)	Load Class	Outlet
CU.LA.100.45.GSG	Lite Aqua 100.45 Corner Unit + Galvanised Slotted Grating	45mm	120mm	0.6kg	A	110mm
CU.LA.100.45.DIMG	Lite Aqua 100.45 Corner Unit + Ductile Iron Mesh Grating	45mm	120mm	0.4kg	A/B	110mm
SU.LA.100.45.GSG	Lite Aqua 100.45 Sump Unit + Galvanised Slotted Grating	340mm	120mm	1.2kg	A	110mm
SU.LA.100.45.DIMG	Lite Aqua 100.45 Sump Unit + Ductile Iron Mesh Grating	335mm	120mm	0.9kg	A/B	110mm
EC.LA.100.45	Lite Aqua 100.45 End Cap	36mm	110mm	0.7kg	-	-
VO.LA.100.45	Lite Aqua 100.45 110mm Vertical Outlet	35mm	110mm	1.5kg	-	-

Grating Options - 100.45/100.48



Galvanised Steel Slotted (A15)



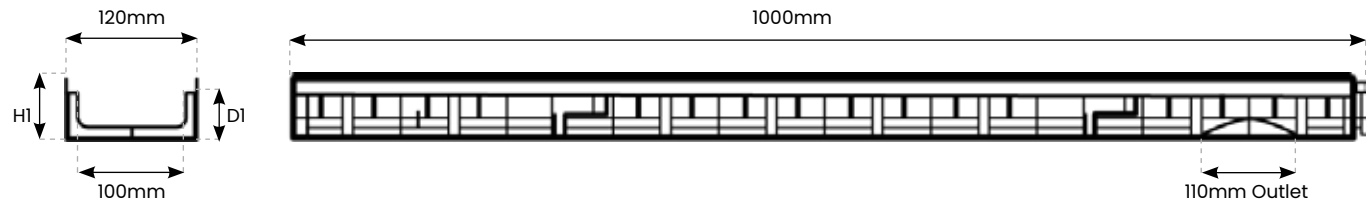
Ductile Iron Safeheel Slotted (B125)

Grating - Specifications

Reference	Description	Internal Width	Overall Width	Overall Depth(H1)	Internal Depth(D1)	Load Class	Safe Heel
LA.100.45.GSG	Lite Aqua 100.45 - 1m + Galvanised Slotted Grating	100mm	120mm	45mm	35mm	A	-
LA.100.48.DISG	Lite Aqua 100.48 - 1m + Ductile Iron Safeheel 7mm Slotted Grating	100mm	120mm	48mm	38mm	A/B	Yes

LITE AQUA - 100.55

The Lite Aqua 100.55 system is a lightweight drainage channel made from polyethylene. It has an incredibly shallow depth of just 55mm making it ideal if you have digging restrictions on site. This system is perfect for urban and domestic projects where slow-moving traffic and pedestrians will be traveling across it.



Accessories

The Lite Aqua 100.55 has a complete range of accessories to complete the system. It has end caps and corner units with matching grating tops. The end caps are used for blocking off the end of the channel run while the corner units allow the system to be able to turn 90° corners within the channel run.



Composite Inter-Lock Sump Unit

Galvanised Steel Slotted Sump Unit

Ductile Iron Safeheel Slotted Sump Unit

Corner Units

There is a matching corner unit for each of the 3 available gratings in the Lite Aqua system. The corner units come with a built-in foul air trap to stop unwanted smells from travelling back up through the system.



Composite Inter-Lock

Galvanised Steel Slotted

Ductile Iron Safeheel Slotted

End Cap & Outlet

End caps are used at the end of the channel run to stop the flow of water.



End Cap

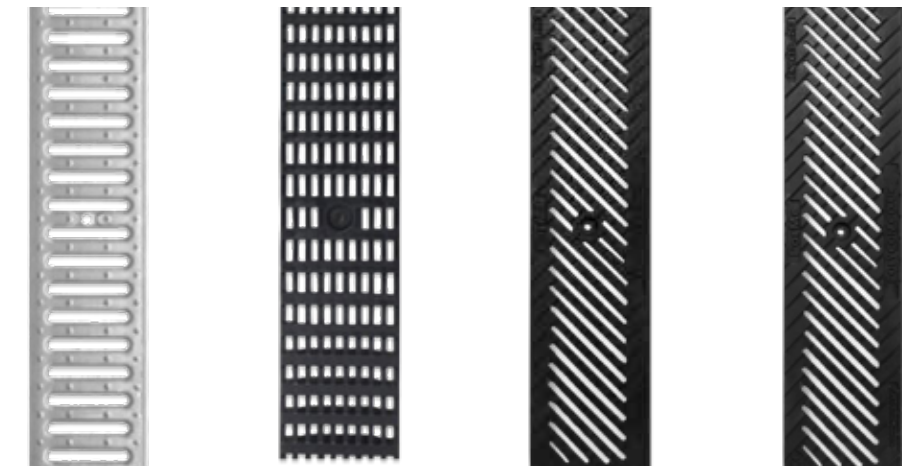
Outlet

Bolt & Bar

Accessories - Specifications

Reference	Description	Height (H)	Overall Width	Weight (KG)	Load Class	Outlet
CU.LA.100.55.GSG	Lite Aqua 100.55 Corner Unit + Galvanised Slotted Grating	55mm	120mm	0.6kg	A	110mm
CU.LA.100.55.CILG	Lite Aqua 100.55 Corner Unit + Composite Inter-Lock Grating	55mm	120mm	0.4kg	A	110mm
CU.LA.100.55.DIMG	Lite Aqua 100.55 Corner Unit + Ductile Iron Mesh Grating	55mm	120mm	1.2kg	A/B	110mm
SU.LA.100.55.GSG	Lite Aqua 100.55 Sump Unit + Galvanised Slotted Grating	340mm	120mm	0.9kg	A	110mm
SU.LA.100.55.CILG	Lite Aqua 100.55 Sump Unit + Composite Inter-Lock Grating	340mm	120mm	0.7kg	A	110mm
SU.LA.100.55.DIMG	Lite Aqua 100.55 Sump Unit + Ductile Iron Mesh Grating	335mm	120mm	1.5kg	A/B	110mm
EC.LA.100.55	Lite Aqua 100.55 End Cap	36mm	110mm	0.1kg	-	-
VO.LA.100.55	Lite Aqua 100.55 110mm Vertical Outlet	35mm	110mm	0.3kg	-	-

Grating Options - 100.55



Galvanised Steel Slotted (A15)

Composite Inter-Lock (A15)

Ductile Iron Safeheel Slotted (B125)

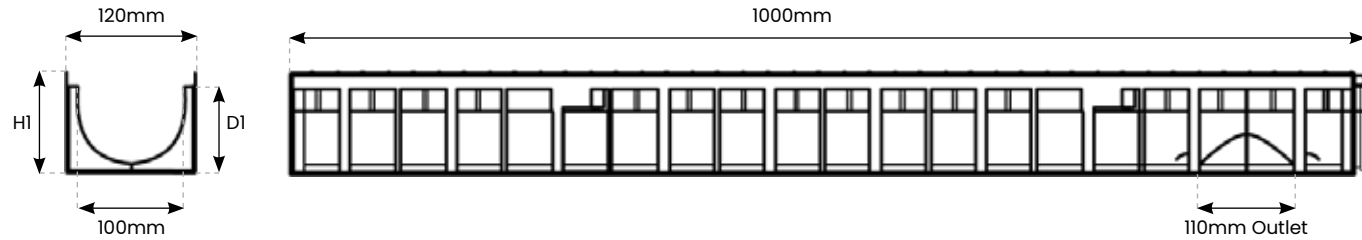
Composite Safeheel Slotted (B125)

Grating - Specifications

Reference	Description	Internal Width	Overall Width	Overall Depth (H)	Internal Depth (D1)	Load Class	Safe Heel
LA.100.55.GSG	Lite Aqua 100.55 - 1m + Galvanised 8mm Slotted Grating	100mm	120mm	55mm	45mm	A	-
LA.100.55.CILG	Lite Aqua 100.55 - 1m + Composite 7x10mm Inter-Lock Grating	100mm	120mm	55mm	45mm	A	-
LA.100.55.DISG	Lite Aqua 100.55 - 1m + Ductile Iron Safeheel 7mm Slotted Grating	100mm	120mm	55mm	45mm	A/B	Yes
LA.100.55.CSG	Lite Aqua 100.55 - 1m + Composite Safeheel 7mm Slotted Grating	100mm	120mm	55mm	45mm	A/B	Yes

LITE AQUA - 100.92

The Lite Aqua 100.92 system is a lightweight, channel drainage system made from polyethylene. It has a shallow depth of just 92mm making it perfect for most urban & domestic projects where slow-moving traffic and pedestrians will be traveling across the system.



Accessories

The Lite Aqua 100.92 has a complete range of accessories to complete the system. It has end caps and corner units with matching grating tops. The end caps are used for blocking off the end of the channel run while the corner units allow the system to be able to turn 90° corners within the channel run.



Composite Inter-Lock Sump Unit

Galvanised Steel Slotted Sump Unit

Ductile Iron Safeheel Slotted Sump Unit

Corner Units

There is a matching corner unit for each of the 3 available gratings in the Lite Aqua system. The corner units come with a built-in foul air trap to stop unwanted smells from travelling back up through the system.



Composite Inter-Lock

Galvanised Steel Slotted

Ductile Iron Safeheel Slotted

End Cap & Outlet

End caps are used at the end of the channel run to stop the flow of water.



End Cap

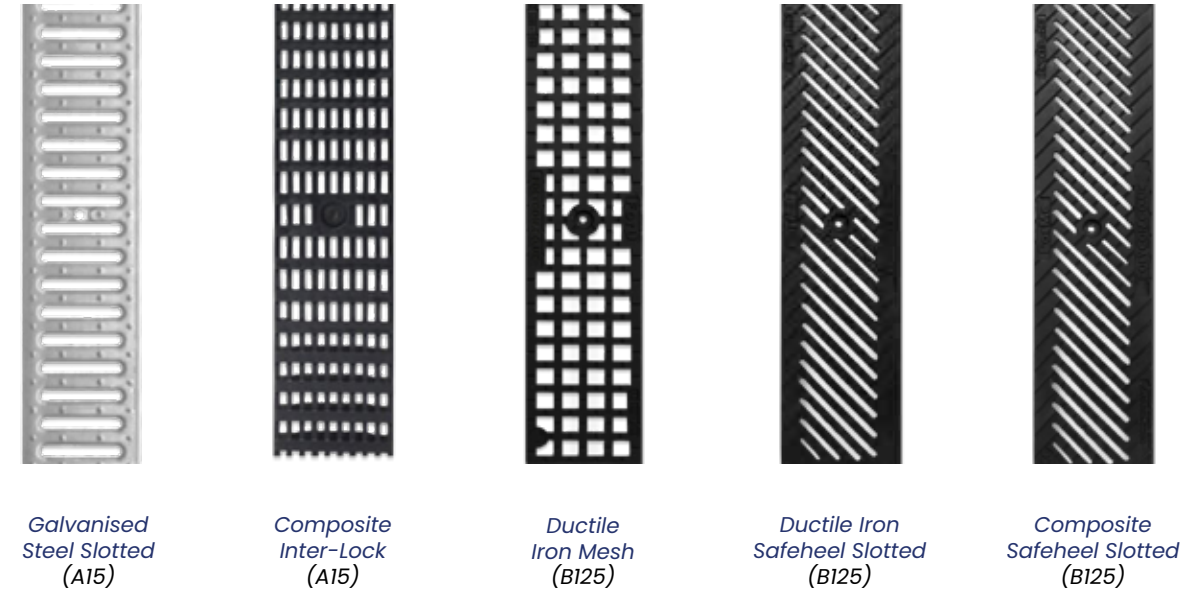
Outlet

Bolt & Bar

Accessories - Specifications

Reference	Description	Height (H)	Overall Width	Weight (KG)	Load Class	Outlet
CU.LA.100.92.GSG	Lite Aqua 100.92 Corner Unit + Galvanised Slotted Grating	92mm	120mm	0.6kg	A	110mm
CU.LA.100.92.CILG	Lite Aqua 100.92 Corner Unit + Composite Inter-Lock Grating	92mm	120mm	0.4kg	A	110mm
CU.LA.100.92.DIMG	Lite Aqua 100.92 Corner Unit + Ductile Iron Mesh Grating	92mm	120mm	1.2kg	A/B	110mm
SU.LA.100.92.GSG	Lite Aqua 100.92 Sump Unit + Galvanised Slotted Grating	375mm	120mm	0.9kg	A	110mm
SU.LA.100.92.CILG	Lite Aqua 100.92 Sump Unit + Composite Inter-Lock Grating	375mm	120mm	0.7kg	A	110mm
SU.LA.100.92.DIMG	Lite Aqua 100.92 Sump Unit + Ductile Iron Mesh Grating	370mm	120mm	1.5kg	A/B	110mm
EC.LA.100.92	Lite Aqua 100.92 End Cap	36mm	110mm	0.1kg	-	-

Grating Options - 100.92



Galvanised Steel Slotted (A15)

Composite Inter-Lock (A15)

Ductile Iron Mesh (B125)

Ductile Iron Safeheel Slotted (B125)

Composite Safeheel Slotted (B125)

Grating - Specifications

Reference	Description	Internal Width	Overall Width	Overall Depth(H1)	Internal Depth(D1)	Load Class	Safe Heel
LA.100.92.GSG	Lite Aqua 100.92 - 1m + Galvanised 8mm Slotted Grating	100mm	120mm	92mm	82mm	A	-
LA.100.92.CILG	Lite Aqua 100.92 - 1m + Composite 7x 10mm Inter-Lock Grating	100mm	120mm	92mm	82mm	A	-
LA.100.92.DIMG	Lite Aqua 100.92 - 1m + Ductile Iron 10x 10mm Mesh Grating	100mm	120mm	92mm	82mm	A/B	-
LA.100.92.DISG	Lite Aqua 100.92 - 1m + Ductile Iron Safeheel 7mm Slotted Grating	100mm	120mm	92mm	82mm	A/B	Yes
LA.100.92.CSG	Lite Aqua 100.92 - 1m + Composite Safeheel 7mm Slotted Grating	100mm	120mm	92mm	82mm	A/B	Yes

LITE Prem

LITE Prem

The Lite Prem channel supplied by Polycon boasts a range of exceptional benefits that set it apart as a top choice for drainage solutions. The Lite Prem system has been designed and manufactured from High-Density Polyethylene (HDPE). This possesses a range of features and benefits, tailored for high-performance drainage systems and efficient water flow.

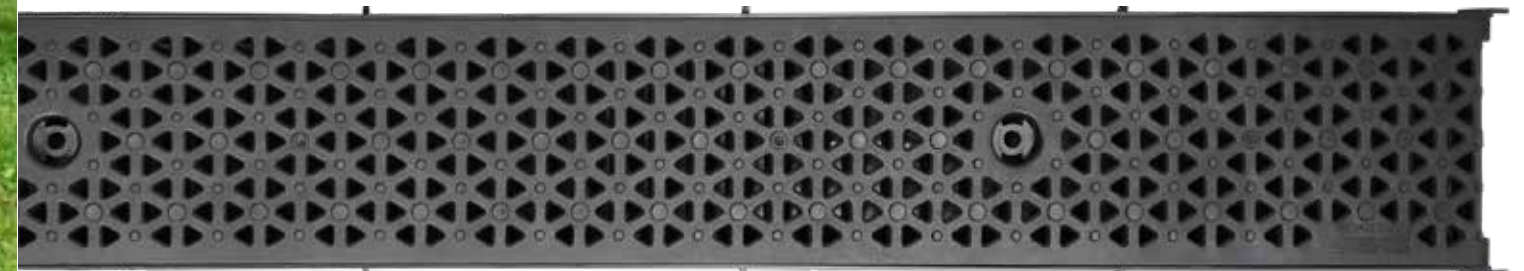
The light prem's material properties mean that the system can withstand significant impacts and create a long-lasting life cycle without the need for aggressive maintenance. One of the standout features of the Lite Prem channel is its remarkable chemical resistance.

Whether it encounters aggressive chemicals or corrosive substances, this channel remains unfazed, maintaining its structural integrity and functionality.

Its smooth, waterproof surface enhances its versatility and ease of maintenance, preventing water from pooling in unwanted areas.

When it comes to efficient water management, the Lite Prem channel truly excels. Its quick water flow capability ensures rapid drainage, minimizing the risk of water pooling and related issues. Additionally, with a generous offering of 10+ gratings, users can customize their drainage solutions to suit specific needs, making it an ideal choice for various applications. Overall, the Lite Prem channel by Polycon is a reliable and versatile solution that combines lightweight convenience with exceptional performance.

*Conformity Manufactured in compliance with ISO 9001:2000
Certified in compliance with EN1433 Fully CE Certified with the
declaration of performance certificate.*



Load Classes



A15
1.5 tonnes



B125
12.5 tonnes



C250
25 tonnes

Applications

- Bus Terminals
- Landscaping Areas
- Pedestrian Areas
- Shopping Centres
- Car Parks
- Petrol Stations

LITE Prem - Overview

Material

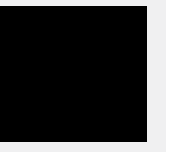
The Lite Prem is a lightweight plastic drainage channel. The material is both incredibly light and has a strong exterior. This helps to reduce labour expenses because little to no machinery is required for installation. It is a long-lasting option for urban projects, and because of its improved protection, water vapour cannot pass through it.

Outlet

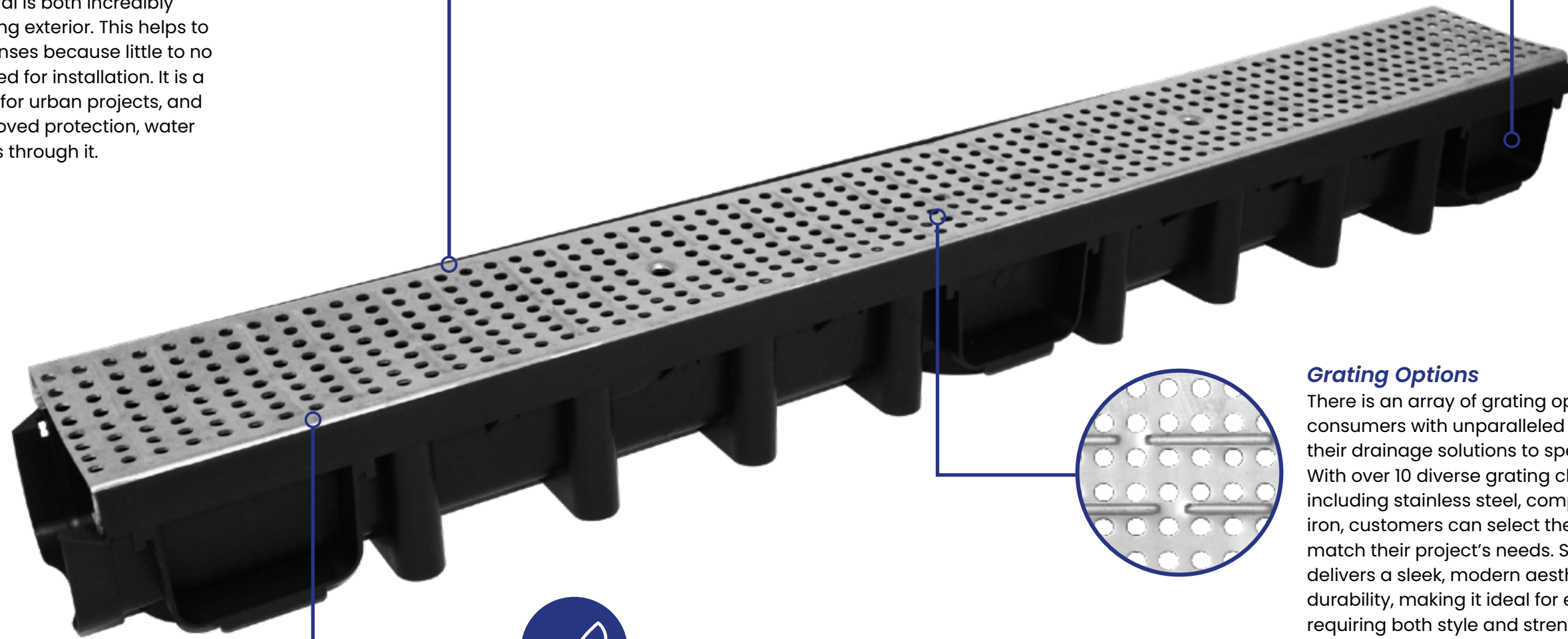
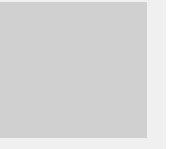
The bottom outlet in the base of the channel allows for downward drainage into a 110mm sewer connection. Break the outlet in the marked area with a hammer and then insert the outlet in the channel fixing it with the four screws supplied.

Channel Colour Options

Black



Grey



SAFEHEEL

Grating Options

There is an array of grating options, providing consumers with unparalleled flexibility to tailor their drainage solutions to specific requirements. With over 10 diverse grating choices available, including stainless steel, composite, and ductile iron, customers can select the perfect material to match their project's needs. Stainless steel grating delivers a sleek, modern aesthetic and exceptional durability, making it ideal for environments requiring both style and strength. Composite grating offers a lightweight, cost-effective solution without compromising on performance. Meanwhile, ductile iron grating is known for its robustness and load-bearing capacity.

Load Classes



A15



B125



C250

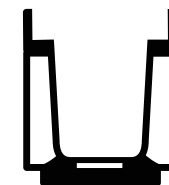
Depth Options



65mm



100mm

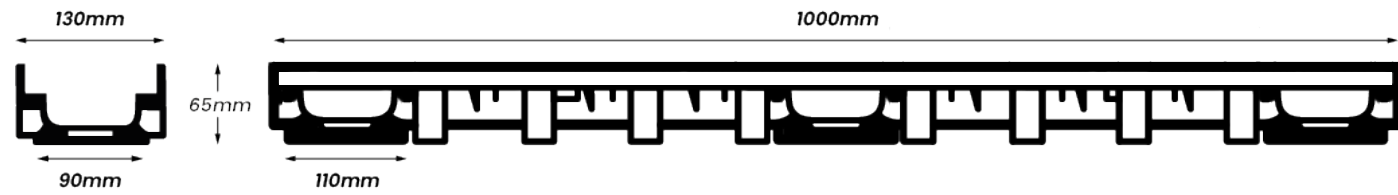


150mm

LITE Prem – 65mm

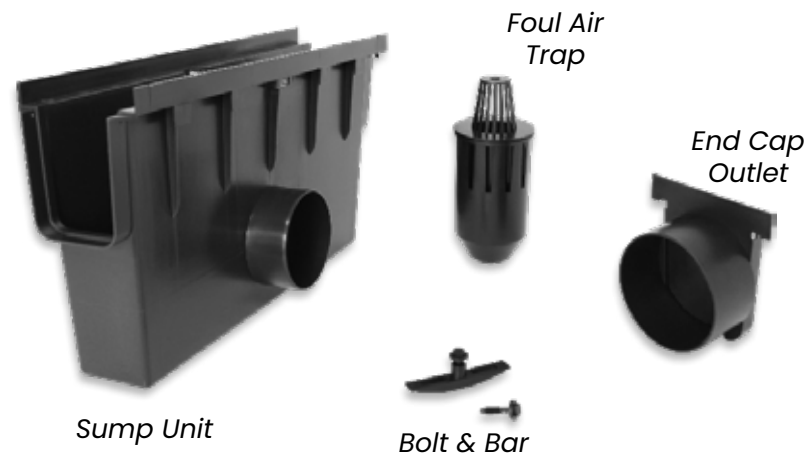
The Lite Prem is one of the most adaptable drainage systems on the market since it is durable, flexible, and lightweight. There are many alternatives for your projects thanks to the 10+ grating options allowing for up to C250 loading capacity.

Product Specs: Please see the diagram and table below for specific measurements on the Lite Prem 100 System *Note the diagram used in the example below is for the Lite Prem 100 – 65mm version.



Accessories

- End Cap Outlet
- End Cap
- Sump Unit
- Bolt & Bar
- Foul Air Trap



Sump Unit: The Sump Unit is excellent for collecting debris and waste that can get into the system. It comes with a silt bucket inside for easy cleaning.

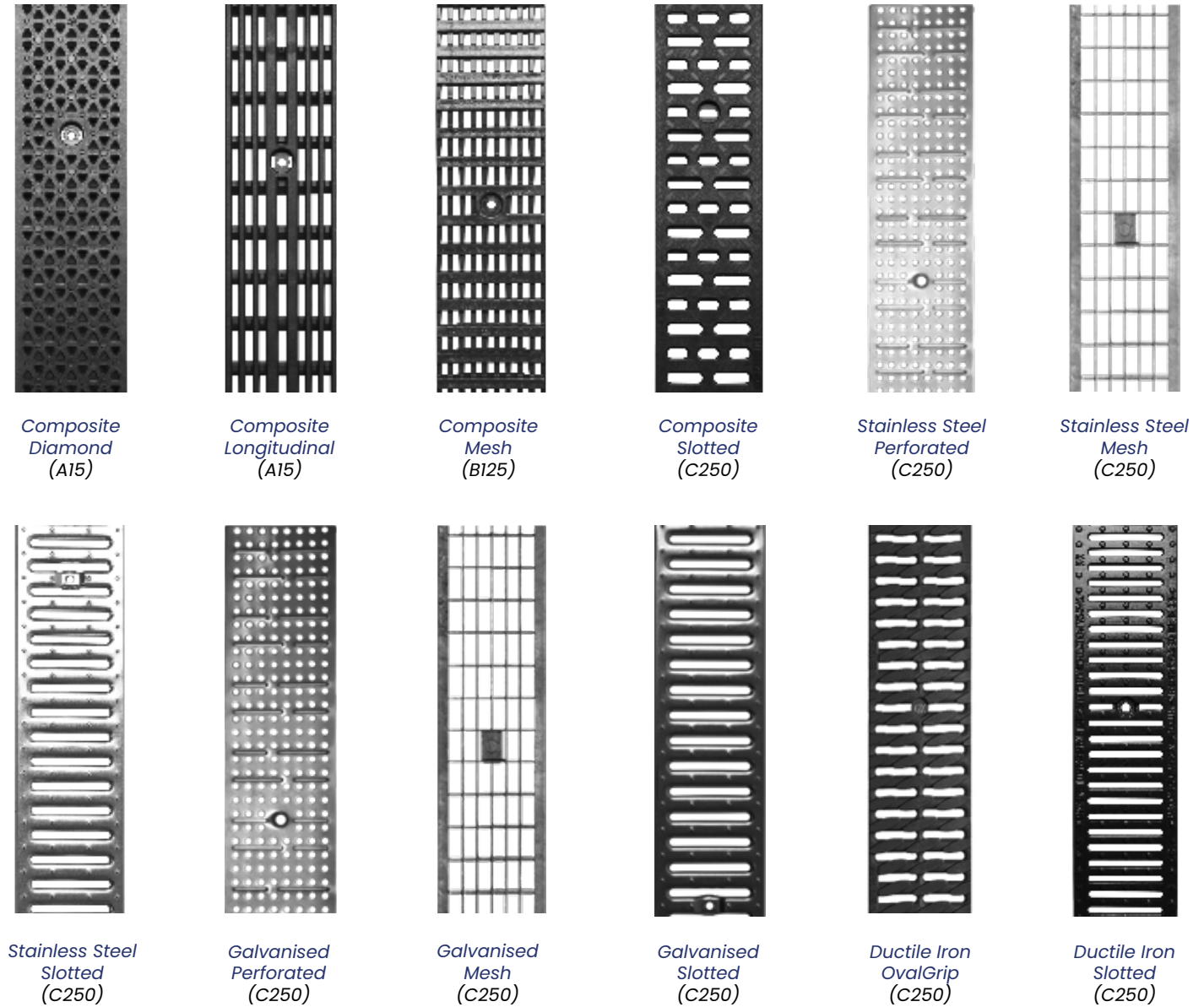
The Foul Air Trap: Acts as both a blocker of foul air from drains and a filter for debris such as leaves.

The End Cap/Outlet: Doubles up as an end cap for the channel or you can knock out the center to convert it into an outlet.

The Bolt & Bar: A simple but strong locking device for securing down the gratings on this Lite Prem 100 System.

Reference	Height (mm)	Invert Height	Overall Width	Weight (KG)	Load Class	Outlet Inv. Height	Outlet
LITE.P.100.SUMP	280	260	130	1.2	A,B,C	250	110
LITE.P.100.EC	150	n/a	130	0.4	A,B,C	n/a	110
LITE.P.100.O	150	n/a	130	0.6	A,B,C	n/a	110
LITE.P.100.FAT	90	n/a	85	0.4	A,B,C	n/a	110
LITE.P.100.BB	11	n/a	95	0.1	A,B,C	n/a	n/a

Grating Options – 65mm

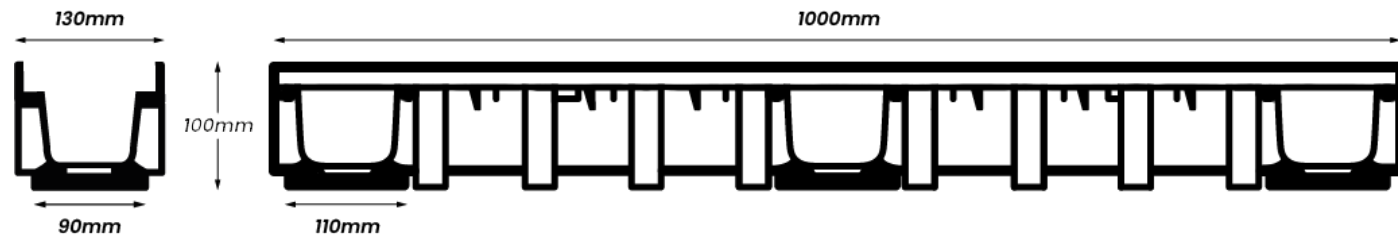


Reference	Description	Length (mm)	Slot Width	Overall Width	Load Class	SafeHeel
GR.100.D.C	Composite Diamond	1000	6	123	A15	✓
GR.100.L.C	Composite Longitudinal	1000	7	123	A15	✓
GR.100.M.C	Composite Mesh	500	7	123	B125	✓
GR.100.S.C	Composite Slotted	500	8	123	C250	✓
GR.100.P.SS	Stainless Steel Perforated	1000	6	123	C250	✓
GR.100.M.SS	Stainless Steel Mesh	1000	10x30	123	C250	×
GR.100.S.SS	Stainless Steel Slotted	1000	8	123	C250	✓
GR.100.P.G	Galvanised Perforated	1000	6	123	C250	✓
GR.100.M.G	Galvanised Mesh	1000	10x30	123	C250	×
GR.100.S.G	Galvanised Slotted	1000	8	123	C250	✓
GR.100.L.DI	Ductile Iron Longitudinal	500	8	123	C250	✓
GR.100.S.DI	Ductile Iron Slotted	500	8	123	C250	✓

LITE Prem – 100mm

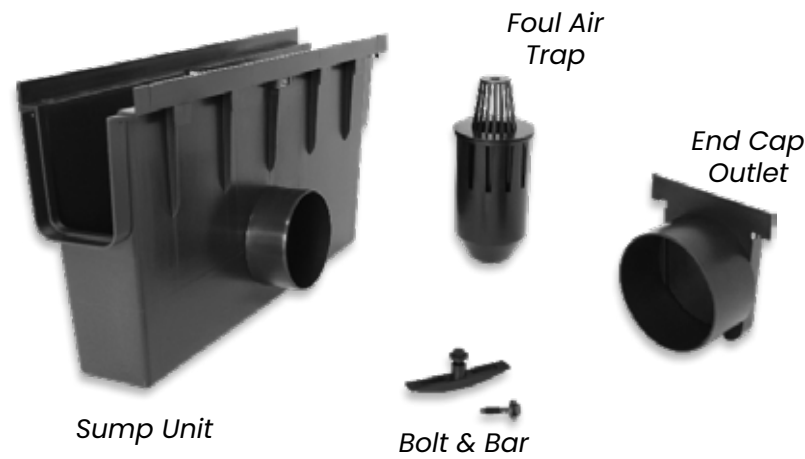
The Lite Prem 100 is one of the most adaptable drainage systems on the market since it is durable, flexible, and lightweight. There are many alternatives for your projects thanks to the 10+ grating options allowing for up to C250 loading capacity.

Please see the diagram below for specific measurements on the Lite Prem 100 System



Accessories

- End Cap Outlet
- End Cap
- Sump Unit
- Bolt & Bar
- Foul Air Trap



Sump Unit: The Sump Unit is excellent for collecting debris and waste that can get into the system. It comes with a silt bucket inside for easy cleaning.

The Foul Air Trap: Acts as both a blocker of foul air from drains and a filter for debris such as leaves.

The End Cap/Outlet: Doubles up as an end cap for the channel or you can knock out the center to convert it into an outlet.

The Bolt & Bar: A simple but strong locking device for securing down the gratings on this Lite Prem 100 System.

Reference	Height (mm)	Invert Height	Overall Width	Weight (KG)	Load Class	Outlet Inv. Height	Outlet
LITE.P.100.SUMP	280	260	130	1.2	A,B,C	250	110
LITE.P.100.EC	150	n/a	130	0.4	A,B,C	n/a	110
LITE.P.100.O	150	n/a	130	0.6	A,B,C	n/a	110
LITE.P.100.FAT	90	n/a	85	0.4	A,B,C	n/a	110
LITE.P.100.BB	11	n/a	95	0.1	A,B,C	n/a	n/a

Grating Options – 100mm



Composite Diamond (A15)



Composite Longitudinal (A15)



Composite Mesh (B125)



Composite Slotted (C250)



Stainless Steel Perforated (C250)



Stainless Steel Mesh (C250)



Stainless Steel Slotted (C250)



Galvanised Perforated (C250)



Galvanised Mesh (C250)



Galvanised Slotted (C250)



Ductile Iron OvalGrip (C250)



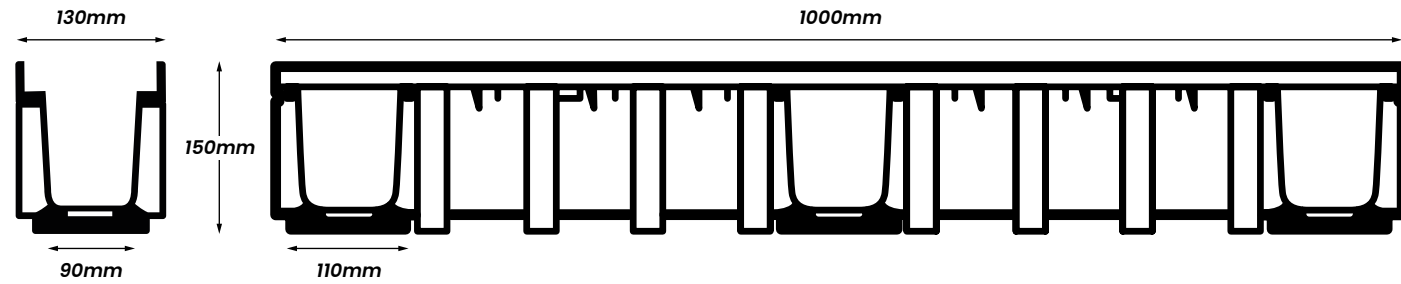
Ductile Iron Slotted (C250)

Reference	Description	Length (mm)	Slot Width	Overall Width	Load Class	SafeHeel
GR.100.D.C	Composite Diamond	1000	6	123	A15	✓
GR.100.L.C	Composite Longitudinal	1000	7	123	A15	✓
GR.100.M.C	Composite Mesh	500	7	123	B125	✓
GR.100.S.C	Composite Slotted	500	8	123	C250	✓
GR.100.P.SS	Stainless Steel Perforated	1000	6	123	C250	✓
GR.100.M.SS	Stainless Steel Mesh	1000	10x30	123	C250	×
GR.100.S.SS	Stainless Steel Slotted	1000	8	123	C250	✓
GR.100.P.G	Galvanised Perforated	1000	6	123	C250	✓
GR.100.M.G	Galvanised Mesh	1000	10x30	123	C250	×
GR.100.S.G	Galvanised Slotted	1000	8	123	C250	✓
GR.100.L.DI	Ductile Iron Longitudinal	500	8	123	C250	✓
GR.100.S.DI	Ductile Iron Slotted	500	8	123	C250	✓

LITE Prem - 150mm

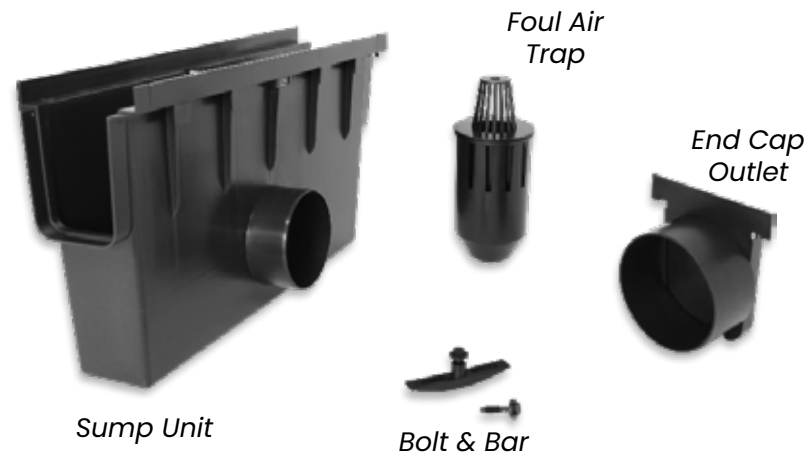
The Lite Prem 100 is one of the most adaptable drainage systems on the market since it is durable, flexible, and lightweight. There are many alternatives for your projects thanks to the 10+ grating options allowing for up to C250 loading capacity.

Please see the diagram below for specific measurements on the Lite Prem 100 System



Accessories

- End Cap Outlet
- End Cap
- Sump Unit
- Bolt & Bar
- Foul Air Trap



Sump Unit: The Sump Unit is excellent for collecting debris and waste that can get into the system. It comes with a silt bucket inside for easy cleaning.

The Foul Air Trap: Acts as both a blocker of foul air from drains and a filter for debris such as leaves.

The End Cap/Outlet: Doubles up as an end cap for the channel or you can knock out the center to convert it into an outlet.

The Bolt & Bar: A simple but strong locking device for securing down the gratings on this Lite Prem 100 System.

Reference	Height (mm)	Invert Height	Overall Width	Weight (KG)	Load Class	Outlet Inv. Height	Outlet
LITE.P.100.SUMP	280	260	130	1.2	A,B,C	250	110
LITE.P.100.EC	150	n/a	130	0.4	A,B,C	n/a	110
LITE.P.100.O	150	n/a	130	0.6	A,B,C	n/a	110
LITE.P.100.FAT	90	n/a	85	0.4	A,B,C	n/a	110
LITE.P.100.BB	11	n/a	95	0.1	A,B,C	n/a	n/a

Grating Options - 150mm



Composite Diamond (A15)



Composite Longitudinal (A15)



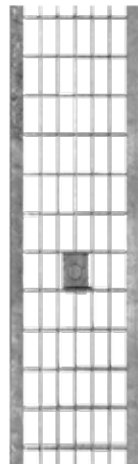
Composite Mesh (B125)



Composite Slotted (C250)



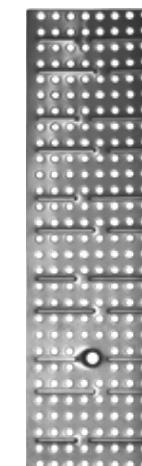
Stainless Steel Perforated (C250)



Stainless Steel Mesh (C250)



Stainless Steel Slotted (C250)



Galvanised Perforated (C250)



Galvanised Mesh (C250)



Galvanised Slotted (C250)



Ductile Iron OvalGrip (C250)



Ductile Iron Slotted (C250)

Reference	Description	Length (mm)	Slot Width	Overall Width	Load Class	SafeHeel
GR.100.D.C	Composite Diamond	1000	6	123	A15	✓
GR.100.L.C	Composite Longitudinal	1000	7	123	A15	✓
GR.100.M.C	Composite Mesh	500	7	123	B125	✓
GR.100.S.C	Composite Slotted	500	10	123	C250	×
GR.100.P.SS	Stainless Steel Perforated	1000	6	123	C250	✓
GR.100.M.SS	Stainless Steel Mesh	1000	10x30	123	C250	×
GR.100.S.SS	Stainless Steel Slotted	1000	8	123	C250	✓
GR.100.P.G	Galvanised Perforated	1000	6	123	C250	✓
GR.100.M.G	Galvanised Mesh	1000	10x30	123	C250	×
GR.100.S.G	Galvanised Slotted	1000	8	123	C250	✓
GR.100.L.DI	Ductile Iron Longitudinal	500	8	123	C250	✓
GR.100.S.DI	Ductile Iron Slotted	500	8	123	C250	✓

LITE Prem - Offset Paveslot

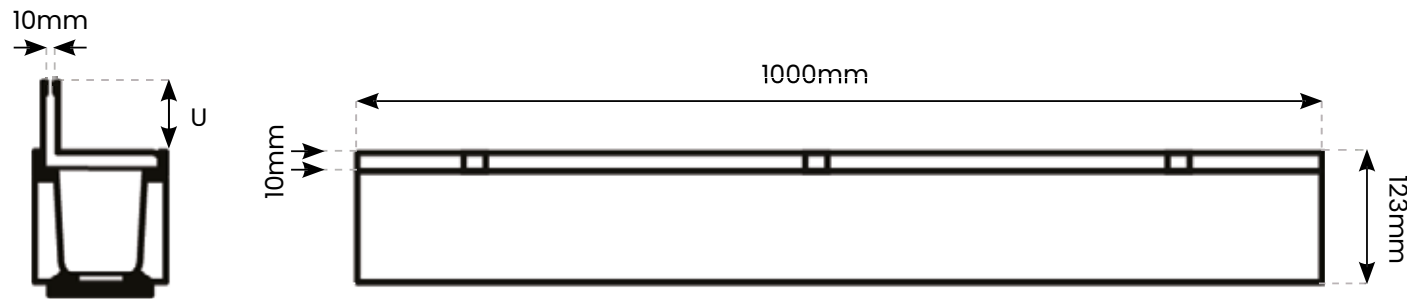
Lite Prem Paveslot is specifically designed for integration into high-quality natural stone and paving surfaces. The discrete inlet slot enables efficient drainage without compromising the ground design. We offer both single & twin slotted Paveslot as well as an access tray for cleaning purposes.

View From Above



Available In Galvanised and Stainless Steel

Diagram - Offset Paveslot

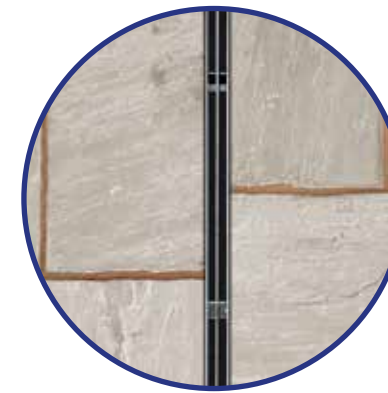


Reference	Description	Length (mm)	Slot Width	Overall Width	Load Class	Upstand (u)
GR.GOP.60	Galvanised Offset Paveslot	1000	10	123	B125	60mm
GR.GOP.105	Galvanised Offset Paveslot	1000	10	123	C250	105mm
GR.GOP.150	Galvanised Offset Paveslot	1000	10	123	C250	150mm
GR.SSOP.60	Stainless Steel Offset Paveslot	1000	10	123	B125	60mm
GR.SSOP.105	Stainless Steel Offset Paveslot	1000	10	123	C250	105mm
GR.SSOP.150	Stainless Steel Offset Paveslot	1000	10	123	C250	150mm

LITE Prem - Twin Paveslot

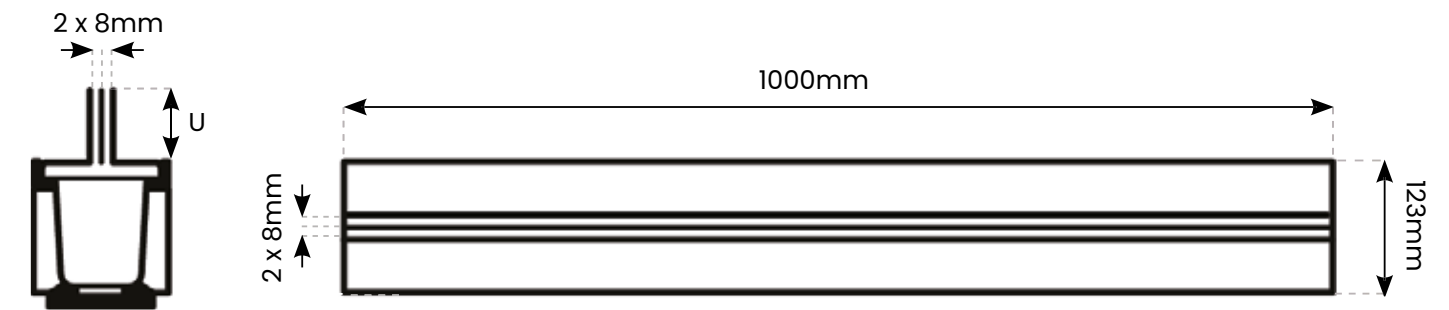
Lite Prem Paveslot is specifically designed for integration into high-quality natural stone and paving surfaces. The discrete inlet slot enables efficient drainage without compromising the ground design. We offer both single & twin slotted Paveslot as well as an access tray for cleaning purposes.

View From Above



Available In Galvanised and Stainless Steel

Diagram - Twin Paveslot



Reference	Description	Length (mm)	Slot Width	Overall Width	Load Class	Upstand (u)
GR.GTP.60	Galvanised Twin Paveslot	1000	2x8mm	123	B125	60mm
GR.GTP.105	Galvanised Twin Paveslot	1000	2x8mm	123	C250	105mm
GR.GTP.150	Galvanised Twin Paveslot	1000	2x8mm	123	C250	150mm
GR.SSTP.60	Stainless Steel Twin Paveslot	1000	2x8mm	123	B125	60mm
GR.SSTP.105	Stainless Steel Twin Paveslot	1000	2x8mm	123	C250	105mm
GR.SSTP.150	Stainless Steel Twin Paveslot	1000	2x8mm	123	C250	150mm

LITE XTRA PAVESLOT

LITE XTRA PAVESLOT

Polycon's Lite Xtra Paveslot is a cutting-edge drainage solution that revolutionizes the way we manage water runoff in landscaped areas. It offers a host of benefits that cater to both form and function, making it an excellent choice for enhancing the aesthetics of outdoor spaces while efficiently managing water drainage.

One of the standout advantages is its ability to elevate the aesthetics of landscaped areas. Traditional drainage systems can often disrupt the visual appeal of gardens, walkways, and outdoor spaces. However, Polycon's Lite Xtra seamlessly integrates with its surroundings, allowing for unobtrusive drainage. Its discrete design ensures that the natural beauty of the landscape remains unblemished, making it a perfect choice for gardens, parks, and other visually sensitive areas.

The system's smooth internal surface is another remarkable feature. This ensures efficient water flow, minimizing the risk of blockages and obstructions. The high-quality materials used in Polycon's Lite Xtra guarantee long-lasting performance, even in demanding outdoor environments. This durability not only reduces maintenance costs but also ensures that the drainage system continues to function effectively for years to come, providing peace of mind to property owners and landscapers alike.

Perhaps one of the most appealing aspects of Polycon's Lite Xtra is its efficient and easy installation process. Landscaping projects often involve tight timelines, and the simplicity of integrating this drainage system can significantly expedite the construction process. Its user-friendly design means that it can be seamlessly incorporated into various hardscaping and landscaping elements, from patios to walkways, without causing delays or complications.

Load Class



A15
1.5 tonnes

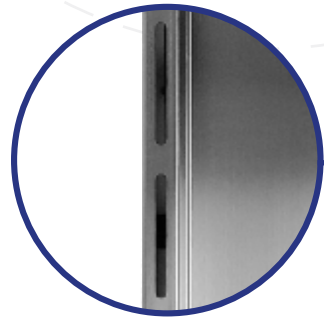


B125
12.5 tonnes

Applications

- Patios
- Paved areas
- Shopping areas
- Pedestrian areas

LITE XTRA PAVESLOT- Overview

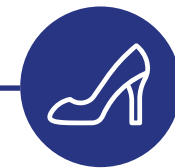
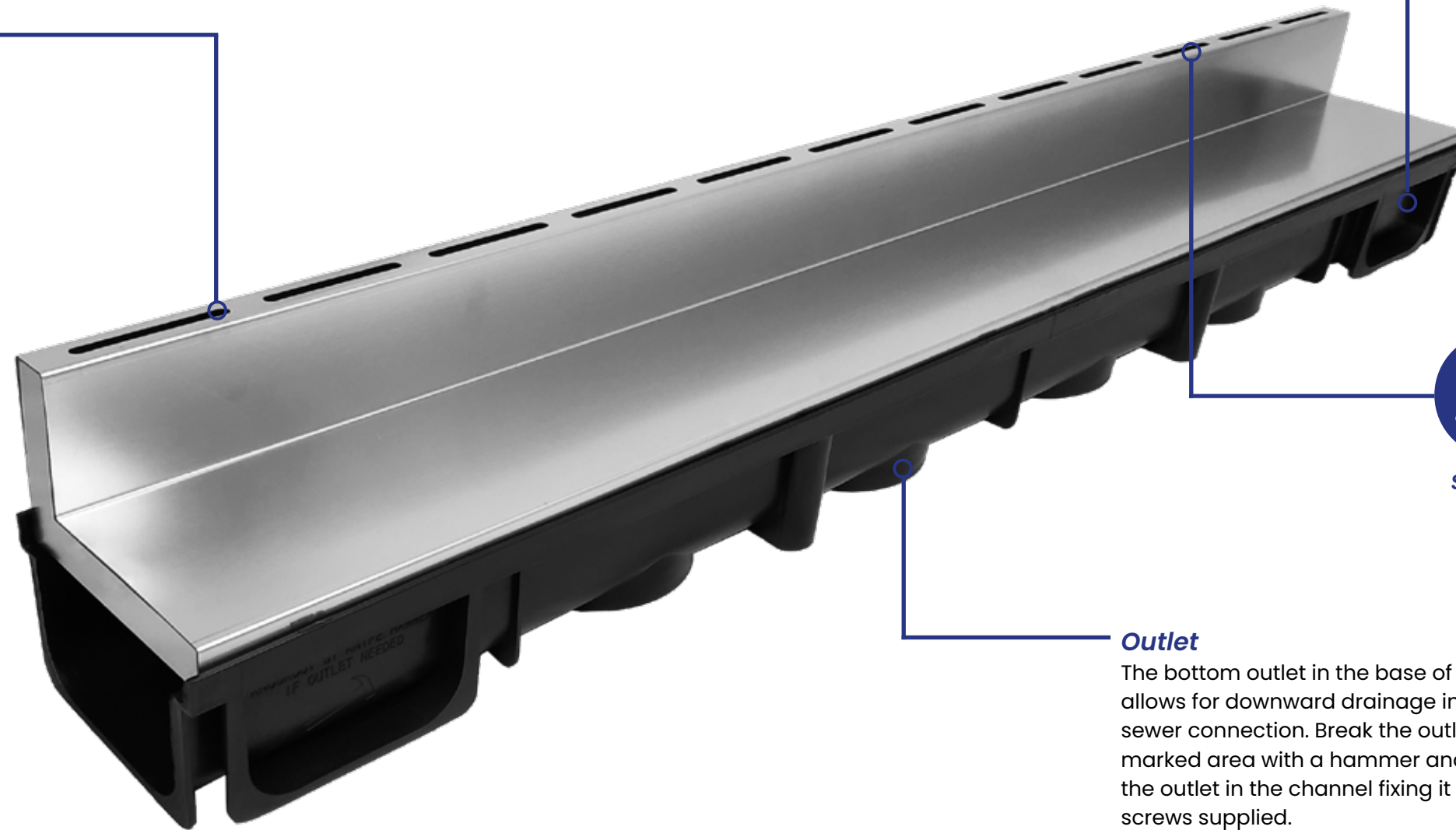


Grating Options

Polycons Lite Xtra Drainage Channel offers a versatile selection of gratings to suit diverse application needs. The composite grating combines durability with a lightweight design. Whilst, the stainless-steel grating, known for its exceptional corrosion resistance and sleek appearance. Lastly, the galvanized steel grating offers robustness and cost-effectiveness, making it ideal for applications where a balance between durability and affordability is required.

Material

The Polycons Lite Xtra Drainage Channel stands out as a top-tier solution due to its construction from advanced composite materials. This innovative choice of materials ensures exceptional durability, resistance to corrosion, and a longer lifespan compared to traditional drainage channels.



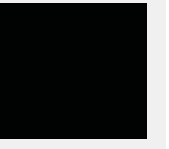
SAFEHEEL

Outlet

The bottom outlet in the base of the channel allows for downward drainage into a 110mm sewer connection. Break the outlet in the marked area with a hammer and then insert the outlet in the channel fixing it with the four screws supplied.

Colour Options

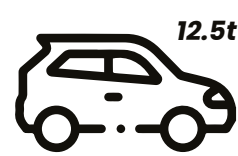
Black



Load Classes

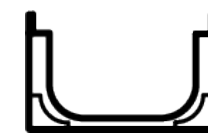


A15



B125

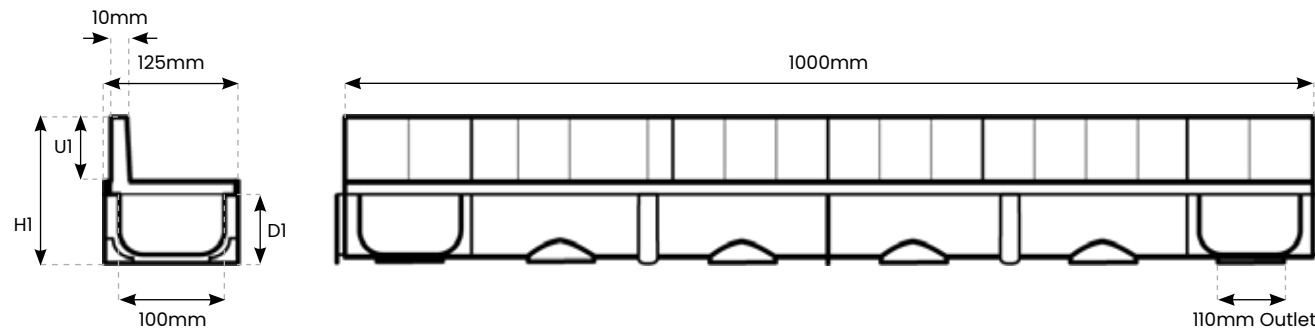
Depth Options



80mm

LITE XTRA PAVESLOT

The Polycon Lite Xtra system is the perfect channel for applications where a modest and understated appearance is desired. Our Lite Xtra Paveslot is a lightweight drainage channel constructed of high-density polyethylene and has been designed with paved areas in mind. The Slot detailing allows you to marry the grating up with the surface/ paved area to create that seamless look.



Accessories

Corner Units

Corner units are available for the Paveslot Channel, which works as a 4 Way Junction or T-Junction. The corner unit also doubles as an access unit to gain entry to the channel for cleaning and maintenance purposes.



Composite Corner Unit

Galvanised Steel Corner Unit

Stainless Steel Corner Unit

Vertical Outlet & Leaf Trap

The Paveslot 110mm Vertical Outlet sits directly underneath the channel which allows 110mm pipes to be connected to the channel allowing water to be quickly taken away from the channel.



Vertical Outlet



Leaf Trap

End Cap & End Cap Outlet

End caps for the Paveslot can be used at the end of your channel run to stop the flow of water.



End Cap



End Cap Outlet

Accessories - Specifications

Reference	Description	Height (H)	Overall Width	Length	Load Class	Outlet
CU.LX.CG	Lite Xtra Corner Unit + Composite Grating	162mm	125mm	135mm	A/B	110mm
CU.LX.GSG	Lite Xtra Corner Unit + Galvanised Steel Grating	162mm	125mm	135mm	A/B	110mm
CU.LX.SSG	Lite Xtra Corner Unit + Stainless Steel Grating	162mm	125mm	135mm	A/B	110mm
VO.LX	Lite Xtra Vertical Outlet	60mm	125mm	125mm	-	110mm
ECO.LX	Lite Xtra End Cap Outlet	120mm	125mm	52mm	-	110mm
LT.LX	Lite Xtra Leaf Trap	100mm	100mm	100mm	-	-
EC.LX	Lite Xtra End Cap	80mm	125mm	18mm	-	-

Grating Options



Composite Paveslot (B125)



Galvanised Steel Paveslot (B125)



Stainless Steel Paveslot (B125)

Grating - Specifications

Reference	Description	Internal Width	Overall Width	Overall Depth(H1)	Internal Depth(D1)	Upstand Depth(U1)	Load Class	Safe Heel
LX.PAV.CG	Lite Xtra 1m + 2x0.5m Composite Paveslot Grating	100mm	125mm	140mm	60mm	60mm	A/B	Yes
LX.PAV.GSG	Lite Xtra 1m + 1m Galvanised Steel Paveslot Grating	100mm	125mm	145mm	60mm	60mm	A/B	Yes
LX.PAV.SSG	Lite Xtra 1m + 1m Stainless Steel Paveslot Grating	100mm	125mm	145mm	60mm	60mm	A/B	Yes

SlotTube

SlotTube Channel

This system is a game-changer in the world of drainage solutions, offering a multitude of benefits that set it apart from traditional systems. One of its standout features is its lightweight design. Unlike heavy concrete alternatives, SlotTube is incredibly easy to handle and install, reducing labour costs and ensuring swift project completion.

The SlotTube drainage system boasts a visually appealing aesthetic. Its sleek and modern design seamlessly blends with various landscapes and architectural styles, making it an ideal choice for both residential and commercial projects.

The discreet appearance of SlotTube channels enhances the overall appeal of any property without compromising on functionality. One of the standout features of the SlotTube system is its large capacity channel. This system is engineered to efficiently manage high volumes of water, preventing flooding and water damage.

What sets SlotTube apart even further is its quick and easy installation process. Its slimline and lightweight components make it a breeze to work with, allowing contractors to save valuable time and resources on-site. This convenience can lead to significant cost savings and reduce project timelines.



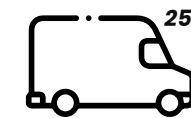
Load Class



A15
1.5 tonnes



B125
12.5 tonnes

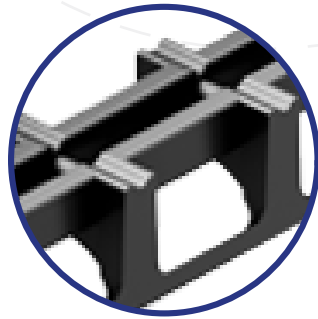


C250
25 tonnes

Applications

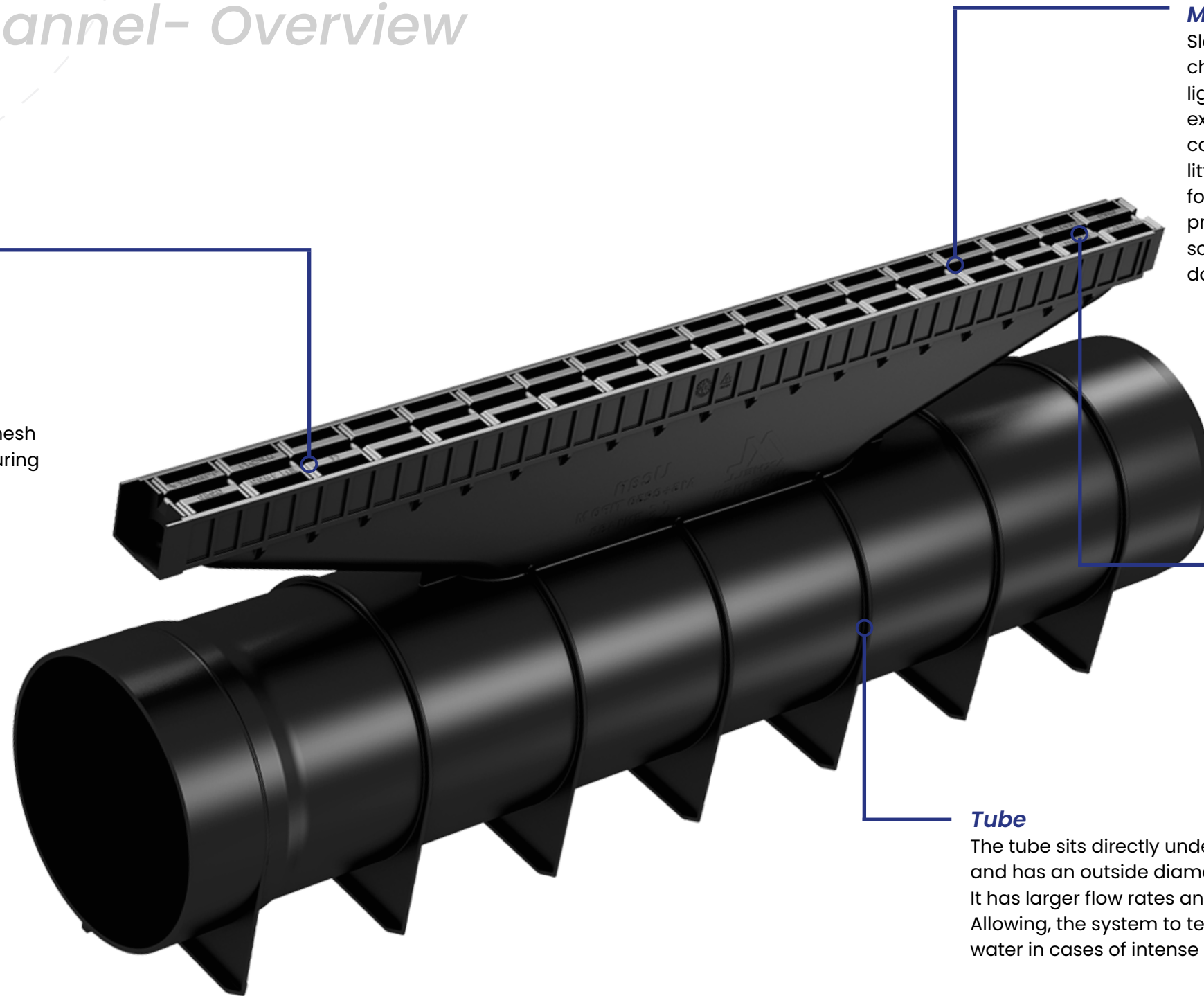
- Pedestrian areas
- Driveways
- Sports and leisure areas
- Patios
- Towns centres
- Kitchen areas
- Low transit chemically aggressive areas

SlotTube Channel- Overview



Removable Grating

SlotTube has a removable Interlock mesh grating made from composite measuring 30mm (W) x 0.5m (L). Perfect for accessibility and cleaning.

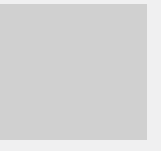


Material

SlotTube is a plastic drainage channel that is extremely lightweight, yet has a strong exterior. This helps to reduce costs related to labour because little or no machinery is required for installation. With its improved protection, it is a long-lasting solution for urban and domestic projects.

Colour Options

Grey



Black



SAFEHEEL

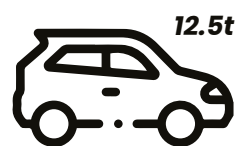
Tube

The tube sits directly underneath the grating and has an outside diameter of 110mm. It has larger flow rates and storage capacity. Allowing, the system to temporarily hold water in cases of intense rainfall.

Load Classes



A15



B125



C250

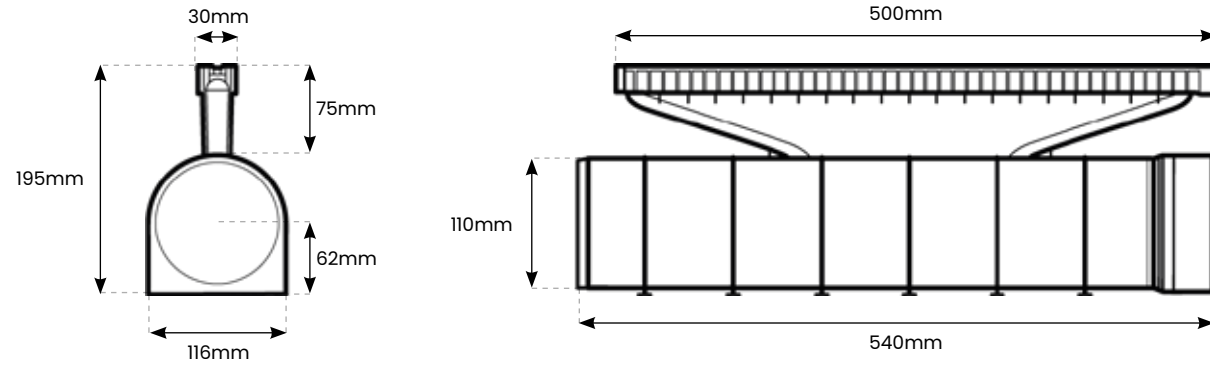
Depth Options



195mm

SlotTube Channel

SlotTube offers an interlocking grating with a minimal design, allowing the channel to be easily installed whilst also blending in most areas of use. Not only does the SlotTube create a visual impact when used because of its minimal and sleek grating design, but it also allows for greater water flow as it has a high capacity to hold, carry & transport water.



Accessories

End Cap

End caps are available for either end of the tube, allowing you to stop the flow of water when required.



End Cap

Gully Unit

Matching gully sump that allows easy access to the channel, making cleaning and maintenance simple. Acts as a foul air trap & leaf trap.



Gully Unit

Accessories - Specifications

Reference	Description	Height (mm)	Overall Width	Weight (KG)	Load Class	Outlet
ST.GU	SlotTube Gully Unit	320mm	220mm	-	A/B/C	110mm
ST.EC.F	SlotTube Female End Cap	48mm	120mm	-	-	-
ST.EC.M	SlotTube Male End Cap	48mm	110mm	-	-	-

Grating Options



Grey Grating (C250)



Black Grating (C250)

Grating - Specifications

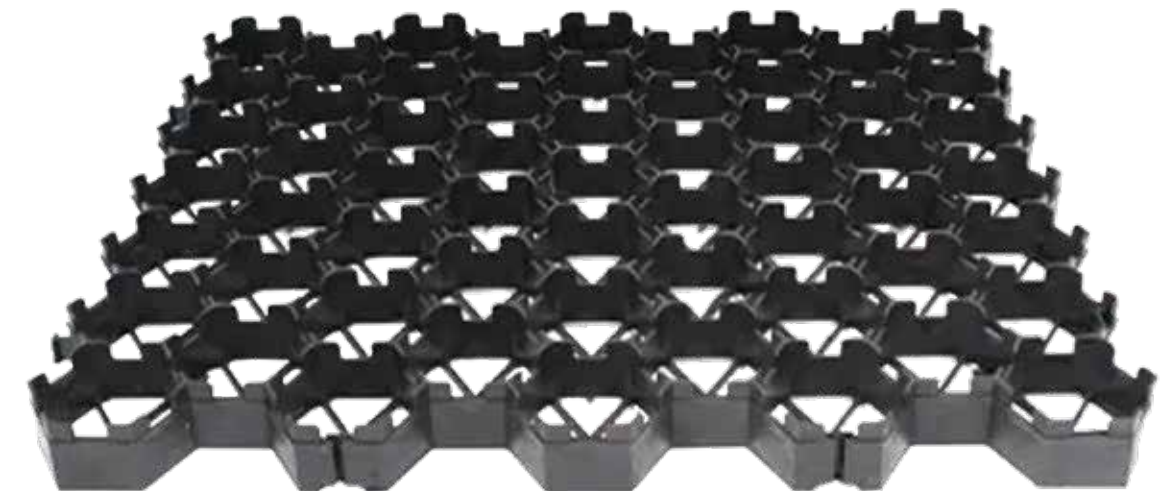
Reference	Description	Overall Width	Slot Width	Overall Depth	Upstand Depth	Tube Diameter	Load Class	SafeHeel
GR.ST.G	SlotTube Channel + Grey Grating	116mm	30mm	195mm	75mm	110mm	A/B/C	Yes
GR.ST.B	SlotTube Channel + Black Grating	116mm	30mm	195mm	75mm	110mm	A/B/C	Yes

LITE GRID

LITE GRID

Polycon's Lite Grid is a revolutionary development in ground reinforcement. It offers a multitude of benefits that make it a highly attractive choice for a wide array of applications, including construction sites, green car parking areas, private lanes and access roads, golf courses, pathways, and drives, as well as green roofs and rooftop gardens.

Manufactured in the UK from 100% Recycled material which is diverted from landfills. The Lite Grid is the environmental and sustainable solution of choice to prevent ground erosion. The honeycomb pattern tiles provide an interlocking system that can be laid at ground surface level and then either filled with stone, or gravel or can be seeded.

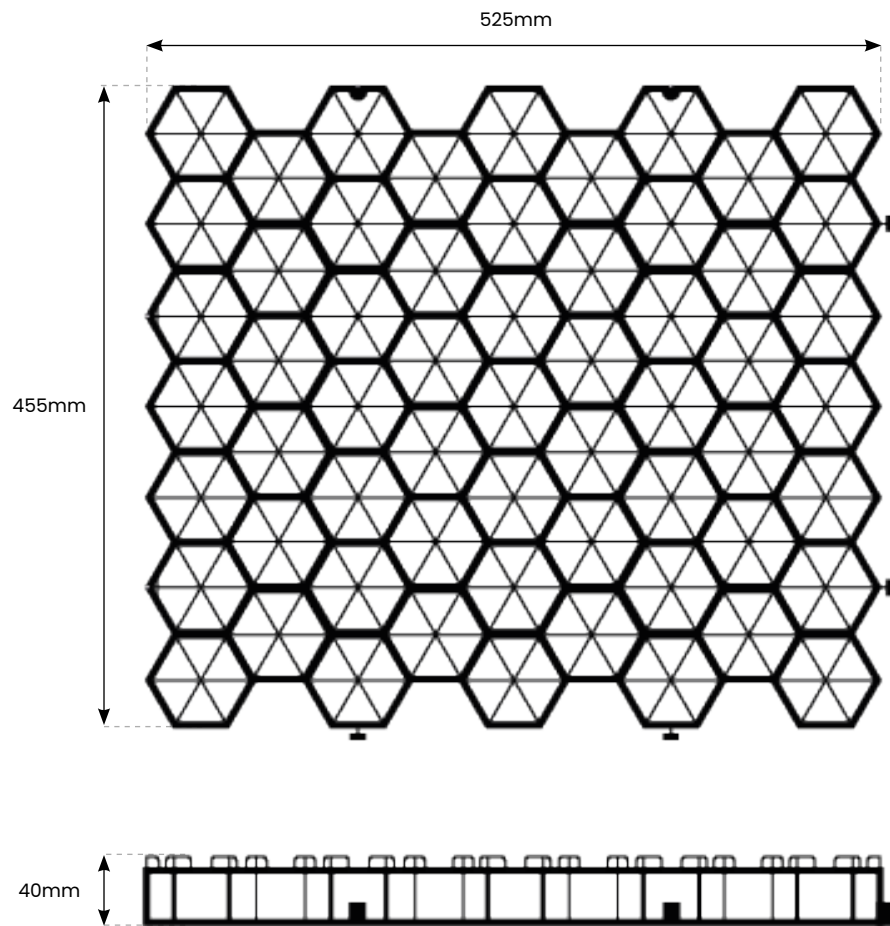


Applications

- Construction sites
- Green car parking areas
- Private lanes and access roads
- Pathways and drives
- Golf courses
- Landscapes
- Equestrian and livestock facilities
- Green roof and rooftop gardens
- River and road embankments
- Private airfields
- Towpaths
- Embankment stabilisation
- Residential driveways
- Emergency access routes
- Helicopter landing pads
- Cycle routes
- Equestrian routes

LITE GRID

Polycon's Lite Grid's versatility and numerous advantages, including easy installation, lightweight design, cost savings, durability, sustainability, and strength, make it a versatile and practical choice for a wide range of applications. It not only improves the efficiency and safety of various spaces but also contributes to sustainable and environmentally conscious practices across industries.



Lite Grid - Specifications

Reference	Description	Length	Width	Height	Weight	Load Class
LGC	Lite Grid Channel	525mm	455mm	40mm	1.65kg	Up to 350 tonnes per m ²

Benefits

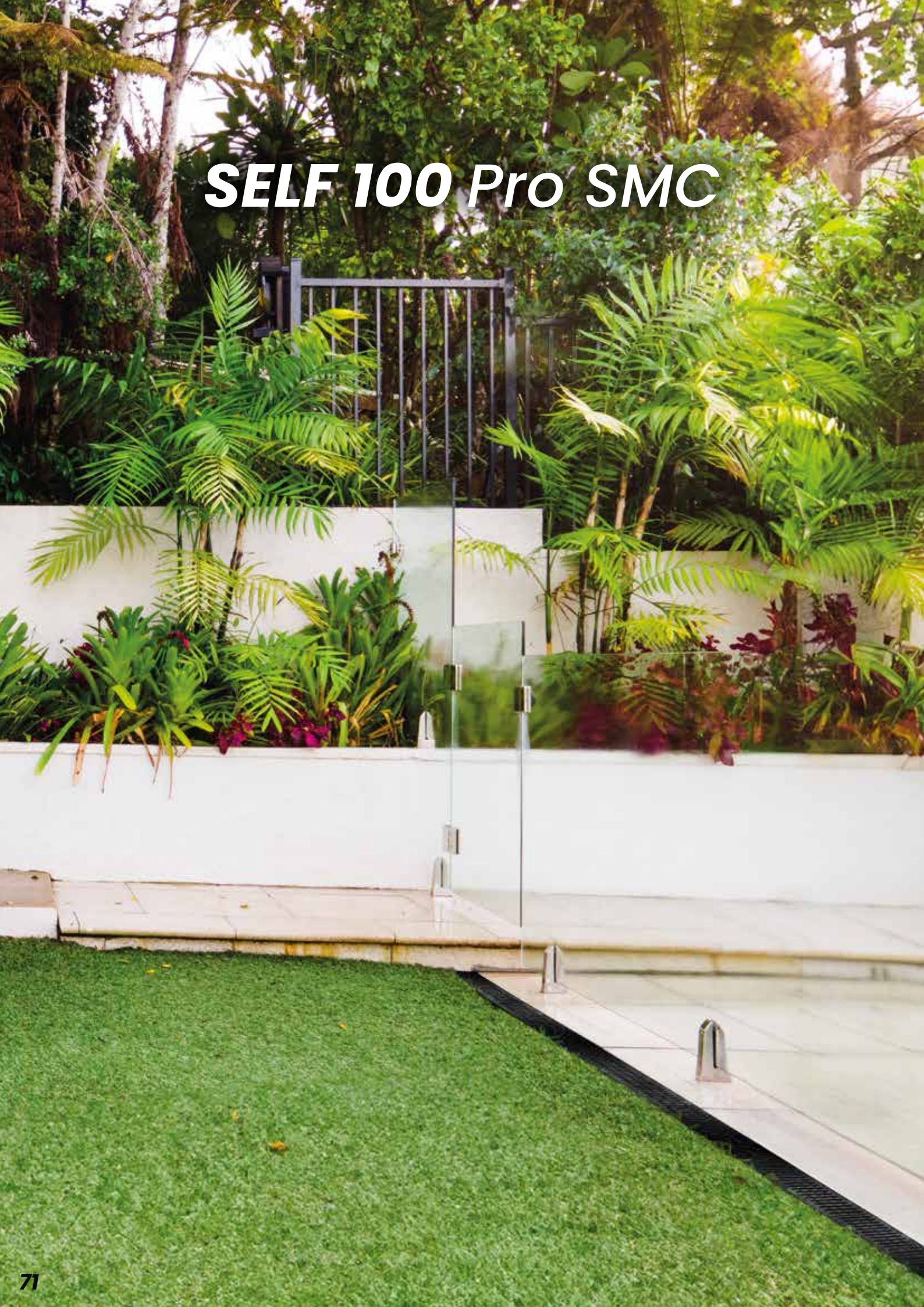
- Quick and easy to install
- Lightweight and easy to handle
- Surface reinforcement with natural drainage
- Reduced on-site costs
- Minimal maintenance
- Non-slip and crack-proof
- Weatherproof and environmentally friendly
- Frost and UV-resistant
- Dimensionally stable preventing gravel migration
- Sustainable choice for ground reinforcement
- High strength (up to 250t/m²)
- Up to 16-tonne axle loads
- Nonexpanding
- Low transport and handling costs
- Manufactured out of recycled plastic
- 100% recycled & recyclable



Specifications

Grid depth	455mm x 525mm x 40mm
Wall thickness	4mm
Wall depth	40mm
Weight per panel	1.65kg
Weight per pallet	482.79kg
Number of tile per m ²	4.18
M ² per pallet	70m ²
Load capacity	Up to 350 tonnes per m ²
Axle weight	Up to 16 tonne
Material	100% recycled UV stable polyolefin
Temperature stability	-50°C to 90°C
Chemical resistance	Sodium chloride (rocksalt), ammonia, acid rain, petroleum products, hydrocarbons

SELF 100 Pro SMC



SELF 100 Pro SMC

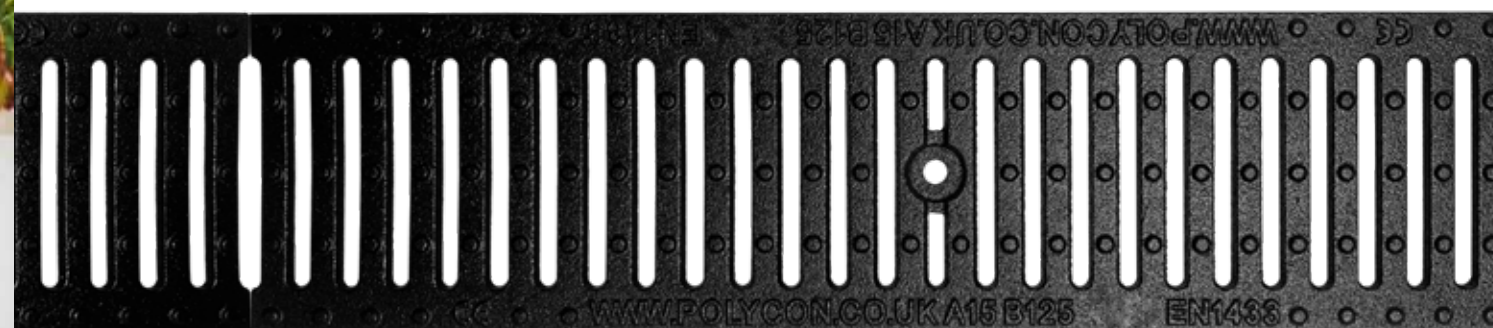
Introducing the Self 100 Pro SMC by Polycon, a cutting-edge channel drainage solution that sets new standards in robustness and reliability for urban and domestic drainage needs. Crafted from high-quality Sheet Moulded Composite (SMC) materials, this innovative drainage system is engineered to withstand the harshest conditions while offering unmatched versatility.

One of the key benefits of the Self 100 Pro-SMC is its exceptional robustness. Whether facing heavy traffic loads in urban environments or enduring the rigors of domestic use, this drainage system stands tall. Its durability ensures long-term performance, reducing the need for frequent maintenance and replacement, making it a cost-effective solution for any application.

In urban areas plagued by drainage issues, reliability is paramount. The Self 100 Pro SMC offers a dependable solution, effectively managing stormwater, preventing flooding, and maintaining efficient drainage systems.

The Self 100 Pro SMC also offers versatility through its compatibility with seven different grating options. This adaptability allows users to tailor the system to their specific needs, whether for aesthetic appeal or functional requirements.

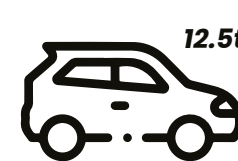
In summary, the Self 100 Pro SMC by Polycon represents a game-changing solution for urban and domestic drainage challenges. With its unmatched robustness, reliability, use of high-strength SMC materials, and compatibility with multiple grating options.



Load Class



A15
1.5 tonnes



B125
12.5 tonnes

Applications

- Driveways
- Pedestrian Areas
- Gardens & Patios

SELF 100 Pro SMC – Overview



Grating Options

The Self 100 Pro-SMC channel offers a variety of different gratings to choose from including galvanized slotted grating (both safeheel and non-safeheel variants), galvanized and stainless paveslot grating, Epoxy coated Ductile Iron grating and the sophisticated KTL frosted ductile iron grating. This empowers the system and its users with the flexibility to select the perfect grating type for their specific needs.



SAFEHEEL

Material

The Self Pro SMC is manufactured from sheet moulded composite. This creates a strong, lightweight, yet robust system that can withstand high strength.

Colour Options



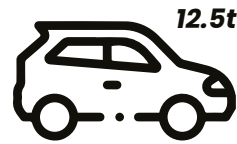
Locking System

The system can feature a snap-lock grating or be locked with a bolt & bar for added security and stability.

Load Classes



A15



B125

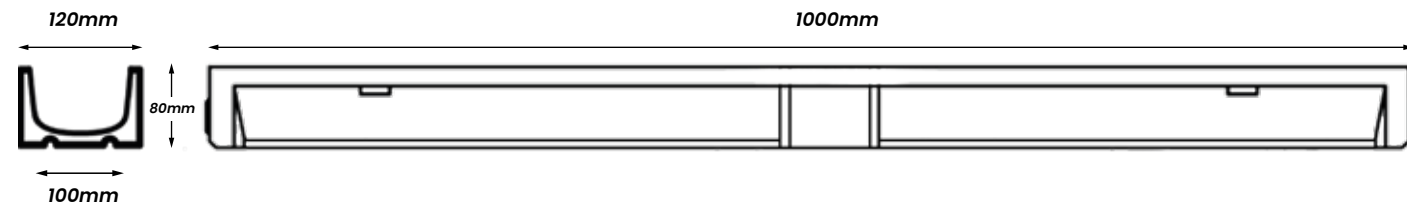
Depth Options



80mm

SELF 100 Pro SMC - 80mm

The Self 100 Pro SMC is a highly durable system with features comparable to the Self Pro Polymer. The key difference is the mould material, nevertheless, both systems provide a long-lasting and dependable solution for all urban and home applications.



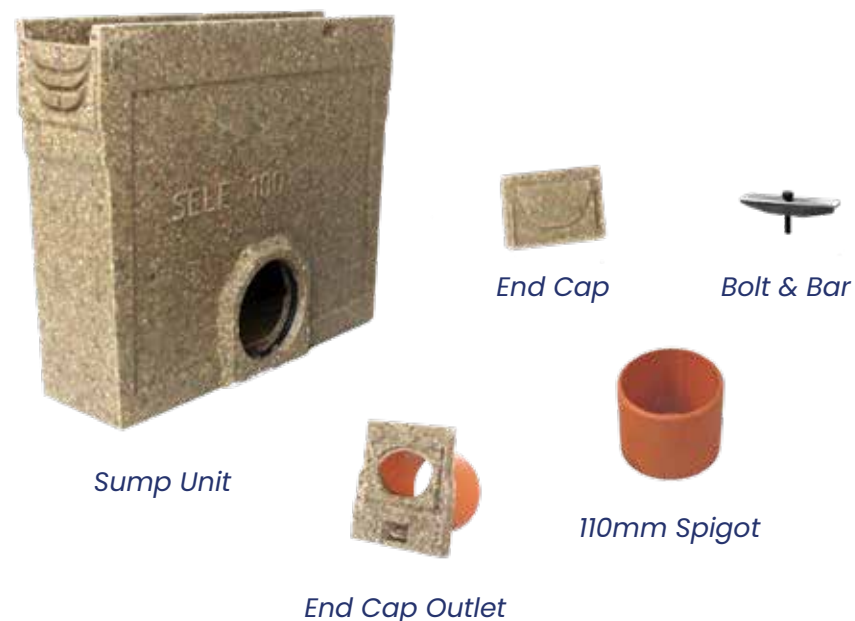
Accessories

Sump unit – Acts as a reservoir, temporarily storing excess water before discharging it in a controlled manner to prevent adverse effects of water accumulation. The sump unit also acts as a filter to help collect silt.

End Cap - End caps can be used at the end of your channel run to stop the flow of water.

End cap outlet - The End Cap Outlet can be used at the end of the run to allow water to be taken to your exterior drainage pipes and away from the channel.

110mm Spigot - This allows you to connect your channel outlet to a pipe. A Spigot typically refers to a male end of a pipe or fitting that is designed to fit into a corresponding female socket or connection.



Accessory - Specifications

Reference	Description	Length (mm)	Height (mm)	Overall Width	Weight (KG)	Outlet (mm)
SUMP.SELF.SMC	Self SMC Sump Unit	500	400	120	14.8	110
EC.SELF.SMC	Self SMC End Cap	25	100	120	0.4	-
EO.SELF.SMC	Self SMC End Cap Outlet	22	160	120	0.7	110
BB.SELF.SMC	Self SMC Bolt & Bar	100	40	25	0.5	-
S.SELF.SMC	Self SMC Spigot	110	100	110	0.8	110

Grating Options - 80mm

The Self Pro SMC channel is compatible with four different gratings. The table below discusses the benefits and features of each different grating and the range of materials available.



Galvanised Slotted Steel (A15)



Galvanised Slotted SafeHeel (A15)



Epoxy Ductile Iron Slotted (B125)



KTL Frosted Ductile Iron Slotted (B125)



Galvanised/Stainless Steel Offset Paveslot (B125)

Grating - Specifications

Reference	Description	Length (mm)	Slot Width	Overall Width	Load Class	SafeHeel
GR.100.GS	Galvanised Slotted Steel	1000	10	120	A15	-
GR.100.GSH	Galvanised Safeheel Slotted	1000	6	120	A15	✓
GR.100.EDI	Epoxy Ductile Iron Slotted	500	8	120	B125	✓
GR.100.FDI	KTL Frosted Ductile Iron Slotted	500	8	120	B125	✓
GR.SSOP.60	Stainless Steel Offset Paveslot	1000	10	120	B125	✓
GR.GOP.60	Galvanised Offset Paveslot	1000	0	120	B125	✓

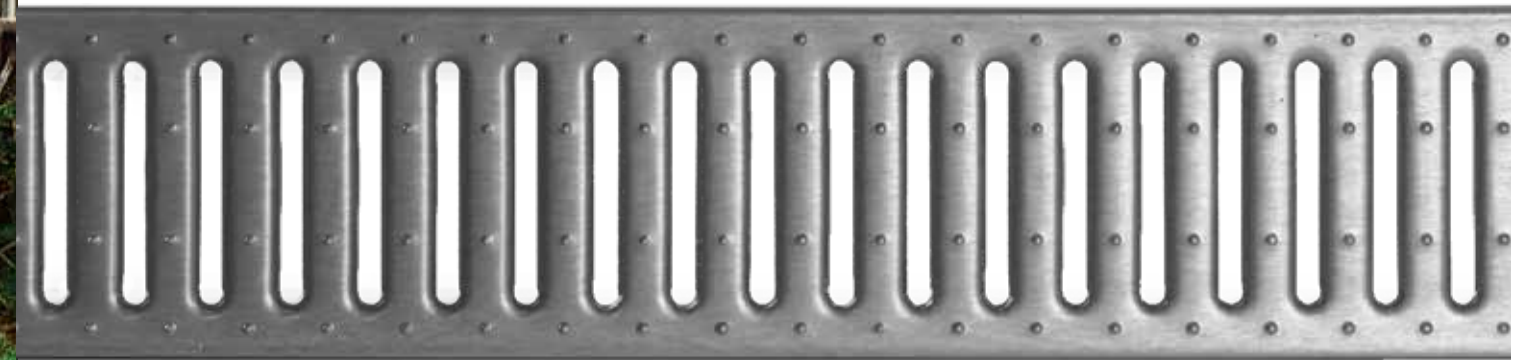
SELF ECO 100

SELF ECO 100

Self Eco 100 drainage channel stands out as an exceptional choice for various drainage needs, thanks to its unique set of benefits.

One of its most prominent advantages is its compact size, making it the smallest of the self-channels available on the market. This compact design not only enhances its aesthetic appeal but also ensures that it can be seamlessly integrated into various architectural and landscape designs.

Additionally, the Self Eco 100 exhibits remarkable resistance to temperature changes, making it a durable and reliable choice for both hot and cold climates. The combination of a small form factor and exceptional temperature resilience makes the Polycon Self Eco 100 an ideal solution for efficient and long-lasting drainage in a wide range of applications.



Load Class



A15
1.5 tonnes



B125
12.5 tonnes

Applications

- Driveways
- Patios
- Garden paths
- Houses
- Playgrounds
- Pool areas
- Pedestrian areas
- Garages

SELF ECO 100 – Overview

Colour Options

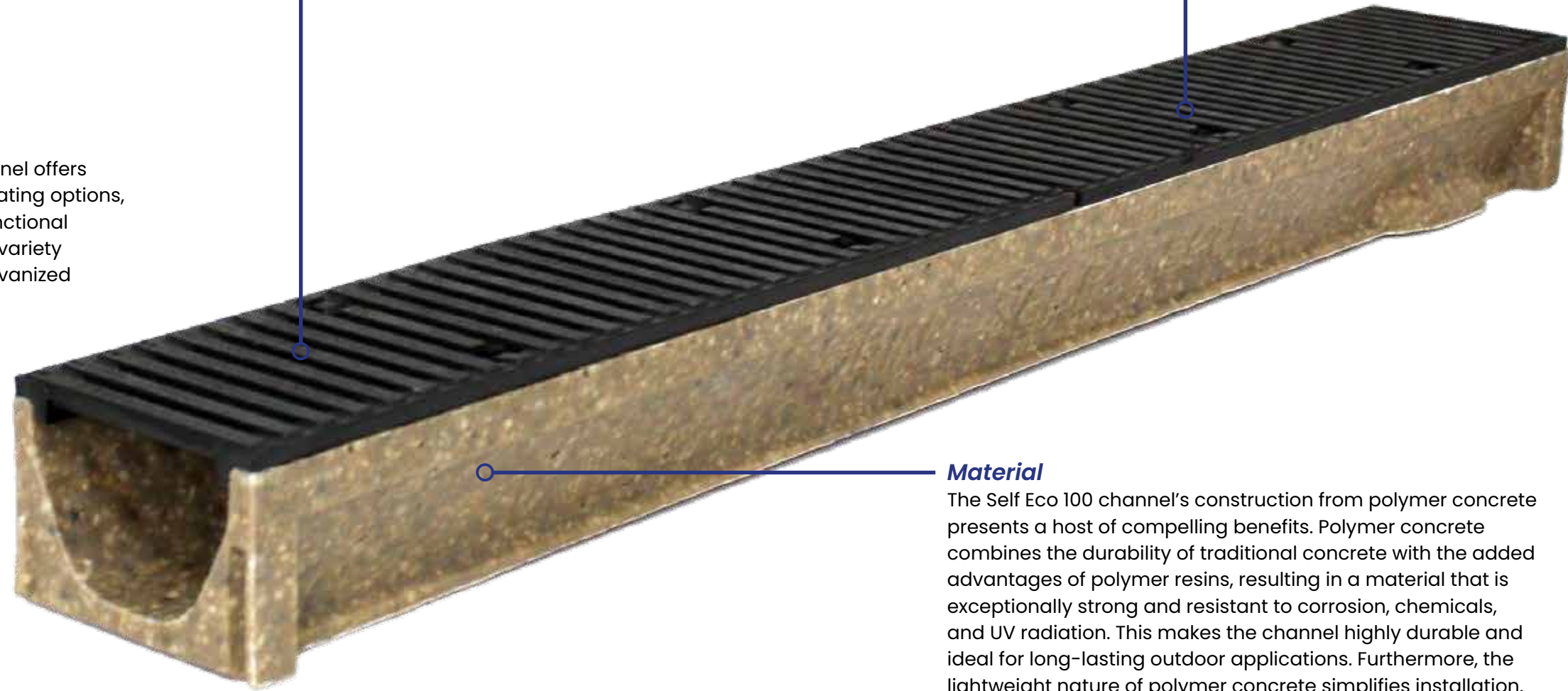


Grating Options

The Polycon Self Eco 100 drainage channel offers an impressive array of nine different grating options, catering to diverse preferences and functional requirements. These choices include a variety of materials such as stainless steel, galvanized steel, cast iron, and composite.



SAFEHEEL



Material

The Self Eco 100 channel's construction from polymer concrete presents a host of compelling benefits. Polymer concrete combines the durability of traditional concrete with the added advantages of polymer resins, resulting in a material that is exceptionally strong and resistant to corrosion, chemicals, and UV radiation. This makes the channel highly durable and ideal for long-lasting outdoor applications. Furthermore, the lightweight nature of polymer concrete simplifies installation, reducing labour costs and environmental impact.

Load Classes



1.5t

A15



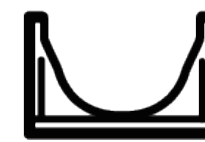
12.5t

B125

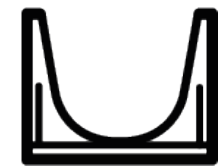
Depth Options



60mm



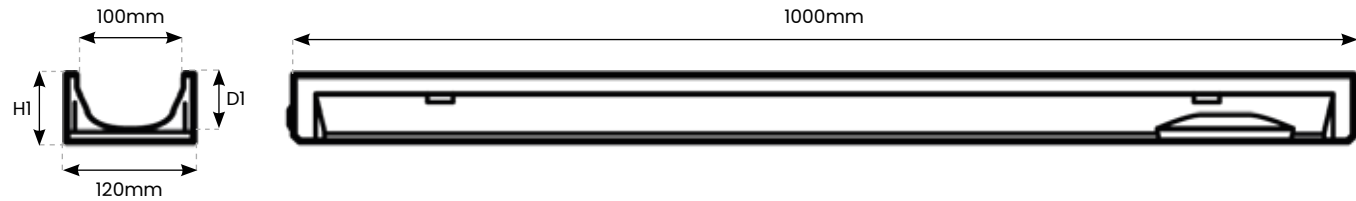
80mm



100mm

SELF ECO 100.60

The Self Eco 100 is a high-performance drainage channel made from polymer concrete. This channel is the perfect development of channel drainage used for urban and domestic areas.



Accessories

Self Eco 100 Sump Unit acts as a reservoir, temporarily storing excess water before discharging it in a controlled manner to prevent adverse effects of water accumulation.

The End Cap Outlet can be used at the end of the run to allow water to be taken to your exterior drainage pipes and away from the channel.

End Caps can be used at the end of your channel run to stop the flow of water.

Foul Air Traps are used to prevent foul or unpleasant odours from sewage or wastewater from escaping through the drainage channel and into the surrounding environment.

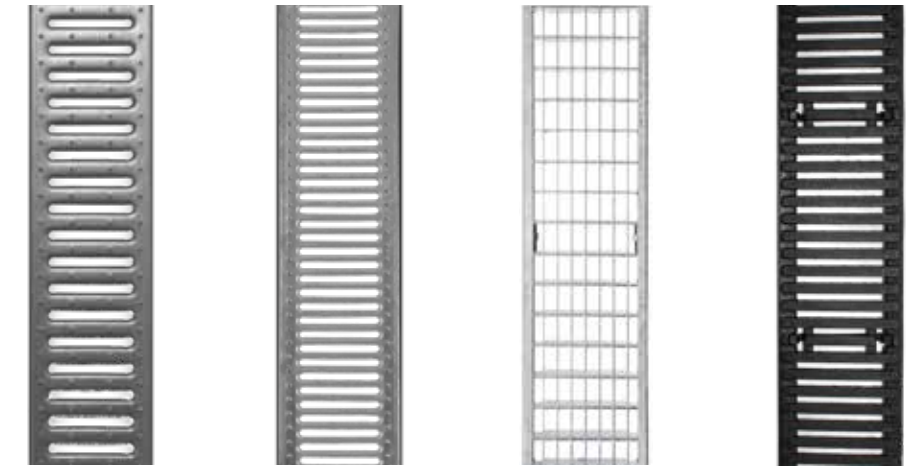
110mm Spigot allows you to connect your channel outlet to a pipe. A Spigot typically refers to a male end of a pipe or fitting that is designed to fit into a corresponding female socket or connection.



Accessories- Specifications

Reference	Description	Length	Height (H)	Overall Width	Weight (KG)	Outlet
SELF.ECO.100.SU	Self Eco 100 Sump Unit	500mm	400mm	120mm	14.8kg	110mm
SELF.ECO.100.S110	Self Eco 100 110 Spigot	110mm	100mm	110mm	0.8kg	110mm
SELF.ECO.100.FT	Self Eco 100 Foul Trap	30mm	150mm	110mm	0.6kg	-
SELF.ECO.100.ECO	Self Eco 100 End Cap Outlet	22mm	160mm	120mm	0.7kg	110mm
SELF.ECO.100.EC	Self Eco 100 End Cap	25mm	100mm	120mm	0.4kg	-

Grating Options - 60mm

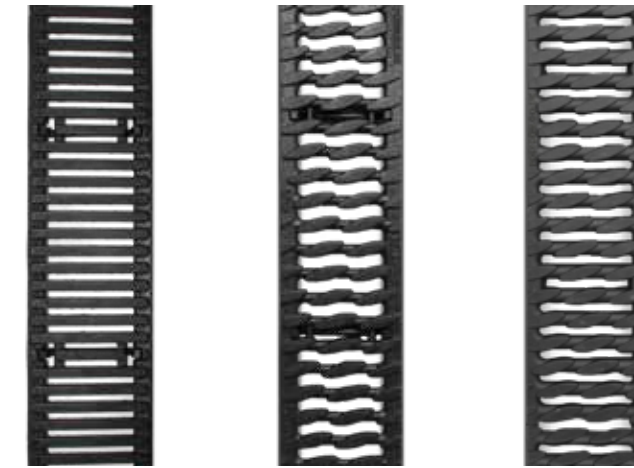


Galvanised Slotted Grating (A15)

Galvanised SafeHeel Slotted Grating (A15)

Mesh Steel Grating (B125)

Ductile Iron 8mm Slotted Grating (B125)



Ductile Iron Slotted SafeHeel Grating (B125)

Composite OvalGrip Grating (B125)

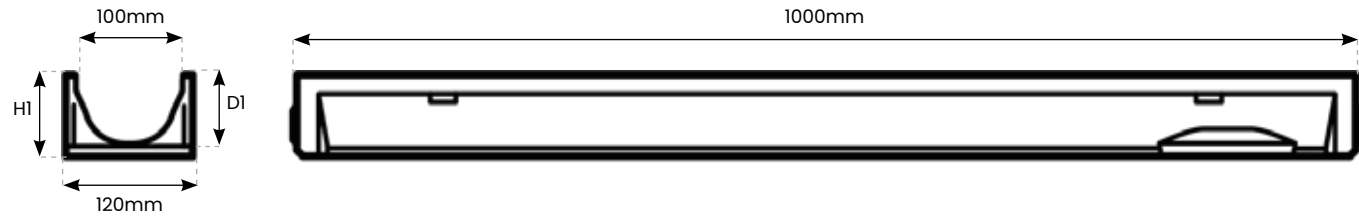
Ductile Iron OvalGrip Grating (B125)

Grating - Specifications

Reference	Description	Length	Internal Width	Overall Width	Overall Depth(H1)	Internal Depth(D1)	Load Class	Safe Heel
SELF.100.GSG	Self Eco 100.60 + Galvanised Slotted Grating	1000mm	100mm	120mm	60mm	40mm	A	No
SELF.100.GSSG	Self Eco 100.60 + Galvanised SafeHeel Slotted Grating	1000mm	100mm	120mm	60mm	40mm	A	Yes
SELF.100.MSG	Self Eco 100.60 + Mesh Steel Grating	1000mm	100mm	120mm	60mm	40mm	A/B	No
SELF.100.DISSG	Self Eco 100.60 + Ductile Iron Slotted SafeHeel Grating	1000mm	100mm	120mm	60mm	40mm	A/B	Yes
SELF.100.COG	Self Eco 100.60 + Composite OvalGrip Grating	1000mm	100mm	120mm	60mm	40mm	A/B	No
SELF.100.DIOG	Self Eco 100.60 + Ductile Iron OvalGrip Grating	1000mm	100mm	120mm	60mm	40mm	A/B	No
SELF.100.D18SG	Self Eco 100.60 + Ductile Iron 8mm Slotted Grating	1000mm	100mm	120mm	60mm	40mm	A/B	Yes

SELF ECO 100.80

The Self Eco 100 is a high-performance drainage channel made from polymer concrete. This channel is the perfect development of channel drainage used for urban and domestic areas.



Accessories

Self Eco 100 Sump Unit acts as a reservoir, temporarily storing excess water before discharging it in a controlled manner to prevent adverse effects of water accumulation.

The End Cap Outlet can be used at the end of the run to allow water to be taken to your exterior drainage pipes and away from the channel.

End Caps can be used at the end of your channel run to stop the flow of water.

Foul Air Traps are used to prevent foul or unpleasant odours from sewage or wastewater from escaping through the drainage channel and into the surrounding environment.

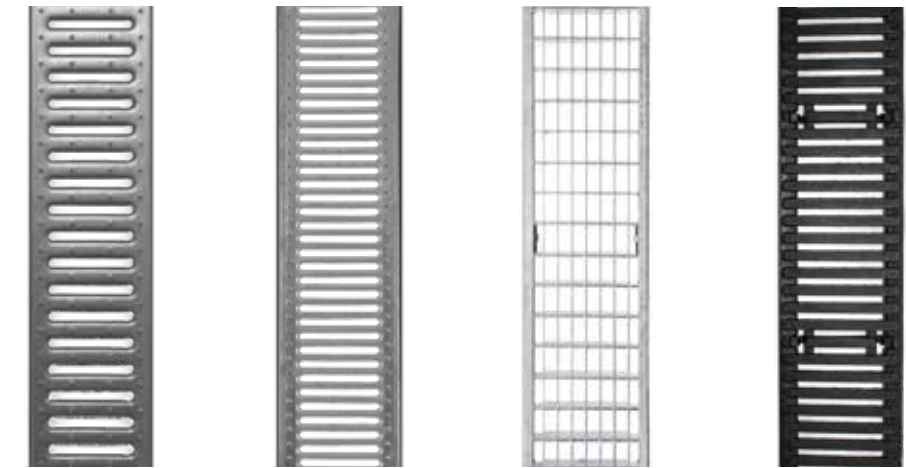
110mm Spigot allows you to connect your channel outlet to a pipe. A Spigot typically refers to a male end of a pipe or fitting that is designed to fit into a corresponding female socket or connection.



Accessories- Specifications

Reference	Description	Length	Height (H)	Overall Width	Weight (KG)	Outlet
SELF.ECO.100.SU	Self Eco 100 Sump Unit	500mm	400mm	120mm	14.8kg	110mm
SELF.ECO.100.S110	Self Eco 100 110 Spigot	110mm	100mm	110mm	0.8kg	110mm
SELF.ECO.100.FT	Self Eco 100 Foul Trap	30mm	150mm	110mm	0.6kg	-
SELF.ECO.100.ECO	Self Eco 100 End Cap Outlet	22mm	160mm	120mm	0.7kg	110mm
SELF.ECO.100.EC	Self Eco 100 End Cap	25mm	100mm	120mm	0.4kg	-

Grating Options - 80mm

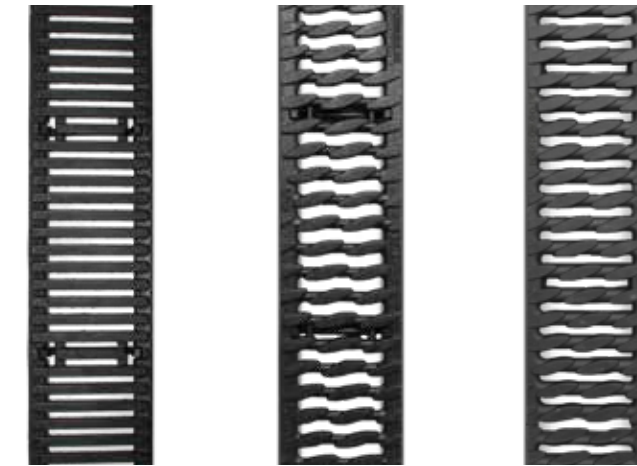


Galvanised Slotted Grating (A15)

Galvanised SafeHeel Slotted Grating (A15)

Mesh Steel Grating (B125)

Ductile Iron 8mm Slotted Grating (B125)



Ductile Iron Slotted SafeHeel Grating (B125)

Composite OvalGrip Grating (B125)

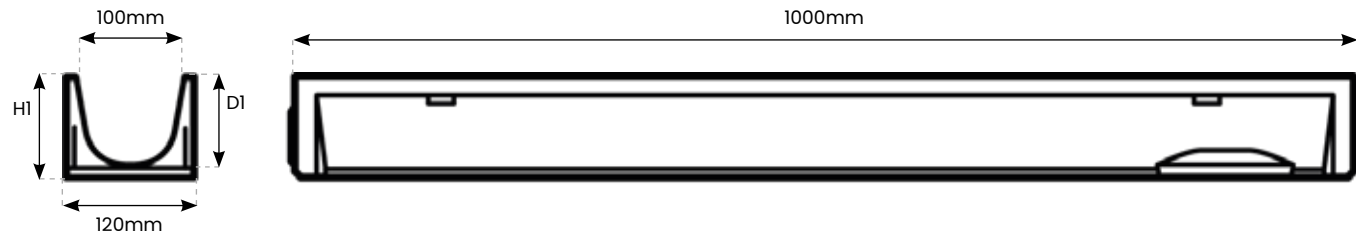
Ductile Iron OvalGrip Grating (B125)

Grating - Specifications

Reference	Description	Length	Internal Width	Overall Width	Overall Depth(H1)	Internal Depth(D1)	Load Class	Safe Heel
SELF.100.GSG	Self Eco 100.80 + Galvanised Slotted Grating	1000mm	100mm	120mm	80mm	60mm	A	No
SELF.100.GSSG	Self Eco 100.80 + Galvanised SafeHeel Slotted Grating	1000mm	100mm	120mm	80mm	60mm	A	Yes
SELF.100.MSG	Self Eco 100.80 + Mesh Steel Grating	1000mm	100mm	120mm	80mm	60mm	A/B	No
SELF.100.DISSG	Self Eco 100.80 + Ductile Iron Slotted SafeHeel Grating	1000mm	100mm	120mm	80mm	60mm	A/B	Yes
SELF.100.COG	Self Eco 100.80 + Composite OvalGrip Grating	1000mm	100mm	120mm	80mm	60mm	A/B	No
SELF.100.DIOG	Self Eco 100.80 + Ductile Iron OvalGrip Grating	1000mm	100mm	120mm	80mm	60mm	A/B	No
SELF.100.D18SG	Self Eco 100.80 + Ductile Iron 8mm Slotted Grating	1000mm	100mm	120mm	80mm	60mm	A/B	Yes

SELF ECO 100.100

The Self Eco 100 is a high-performance drainage channel made from polymer concrete. This channel is the perfect development of channel drainage used for urban and domestic areas.



Accessories

Self Eco 100 Sump Unit acts as a reservoir, temporarily storing excess water before discharging it in a controlled manner to prevent adverse effects of water accumulation.

The End Cap Outlet can be used at the end of the run to allow water to be taken to your exterior drainage pipes and away from the channel.

End Caps can be used at the end of your channel run to stop the flow of water.

Foul Air Traps are used to prevent foul or unpleasant odours from sewage or wastewater from escaping through the drainage channel and into the surrounding environment.

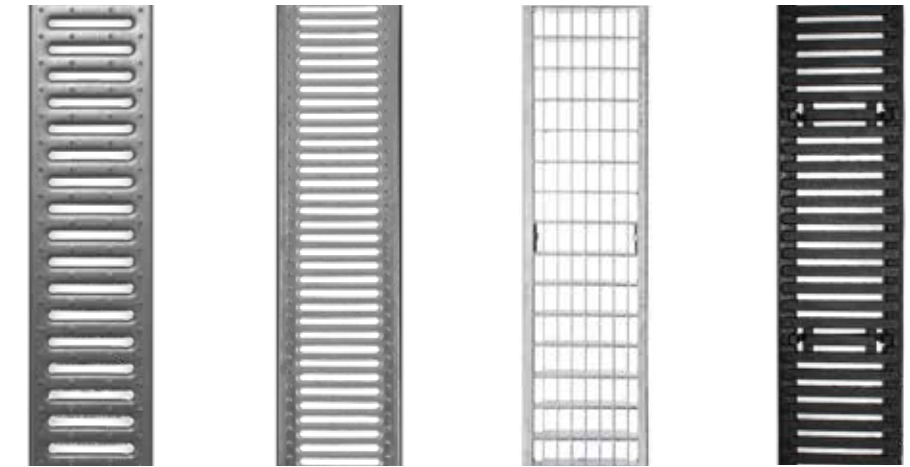
110mm Spigot allows you to connect your channel outlet to a pipe. A Spigot typically refers to a male end of a pipe or fitting that is designed to fit into a corresponding female socket or connection.



Accessories- Specifications

Reference	Description	Length	Height (H)	Overall Width	Weight (KG)	Outlet
SELF.ECO.100.SU	Self Eco 100 Sump Unit	500mm	400mm	120mm	14.8kg	110mm
SELF.ECO.100.S110	Self Eco 100 110 Spigot	110mm	100mm	110mm	0.8kg	110mm
SELF.ECO.100.FT	Self Eco 100 Foul Trap	30mm	150mm	110mm	0.6kg	-
SELF.ECO.100.ECO	Self Eco 100 End Cap Outlet	22mm	160mm	120mm	0.7kg	110mm
SELF.ECO.100.EC	Self Eco 100 End Cap	25mm	100mm	120mm	0.4kg	-

Grating Options - 100mm

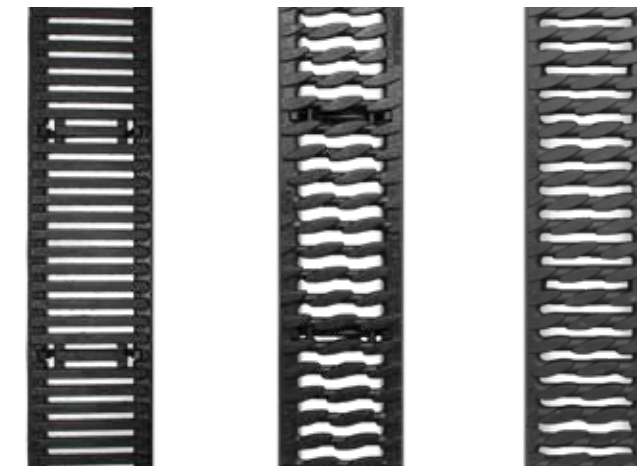


Galvanised Slotted Grating (A15)

Galvanised SafeHeel Slotted Grating (A15)

Mesh Steel Grating (B125)

Ductile Iron 8mm Slotted Grating



Ductile Iron Slotted SafeHeel Grating (B125)

Composite OvalGrip Grating (B125)

Ductile Iron OvalGrip Grating (B125)

Grating - Specifications

Reference	Description	Length	Internal Width	Overall Width	Overall Depth(H1)	Internal Depth(D1)	Load Class	Safe Heel
SELF.100.GSG	Self Eco 100.100 + Galvanised Slotted Grating	1000mm	100mm	120mm	100mm	80mm	A	No
SELF.100.GSSG	Self Eco 100.100 + Galvanised SafeHeel Slotted Grating	1000mm	100mm	120mm	100mm	80mm	A	Yes
SELF.100.MSG	Self Eco 100.100 + Mesh Steel Grating	1000mm	100mm	120mm	100mm	80mm	A/B	No
SELF.100.DISSG	Self Eco 100.100 + Ductile Iron Slotted SafeHeel Grating	1000mm	100mm	120mm	100mm	80mm	A/B	Yes
SELF.100.COG	Self Eco 100.100 + Composite OvalGrip Grating	1000mm	100mm	120mm	100mm	80mm	A/B	No
SELF.100.DIOG	Self Eco 100.100 + Ductile Iron OvalGrip Grating	1000mm	100mm	120mm	100mm	80mm	A/B	No
SELF.100.DIBSG	Self Eco 100.100 + Ductile Iron 8mm Slotted Grating	1000mm	100mm	120mm	100mm	80mm	A/B	Yes

SELF ECO 100 – Offset Paveslot

Self Eco Paveslot is specifically designed for integration into high-quality natural stone and paving surfaces. The discrete inlet slot enables efficient drainage without compromising the ground design. We offer Galvanised and Stainless Steel Paveslot as well as an access tray for cleaning purposes.

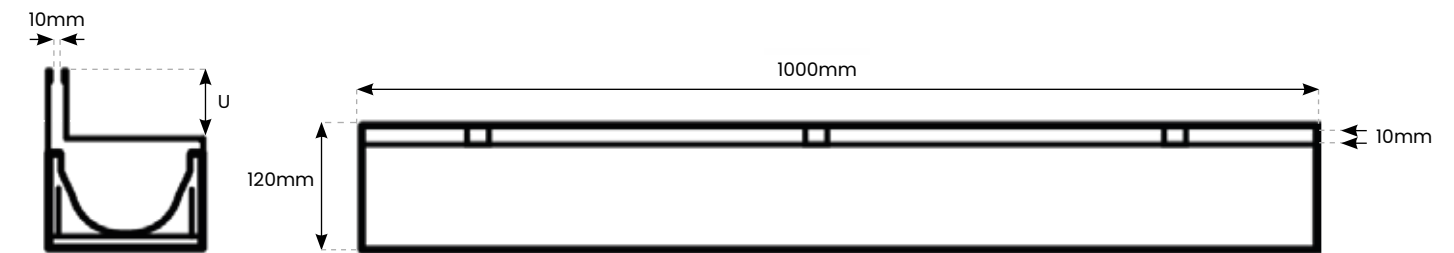


Paveslot Options



Available In Galvanised and Stainless Steel

Diagram - Offset Paveslot



Grating - Specifications

Reference	Description	Length (mm)	Slot Width	Overall Width	Load Class	Upstand (U)
SELF.100.GOP	Galvanised Offset Paveslot	1000	10	120	B125	60mm
SELF.100.SSOP	Stainless Steel Offset Paveslot	1000	10	120	B125	60mm

SELF ECO 150

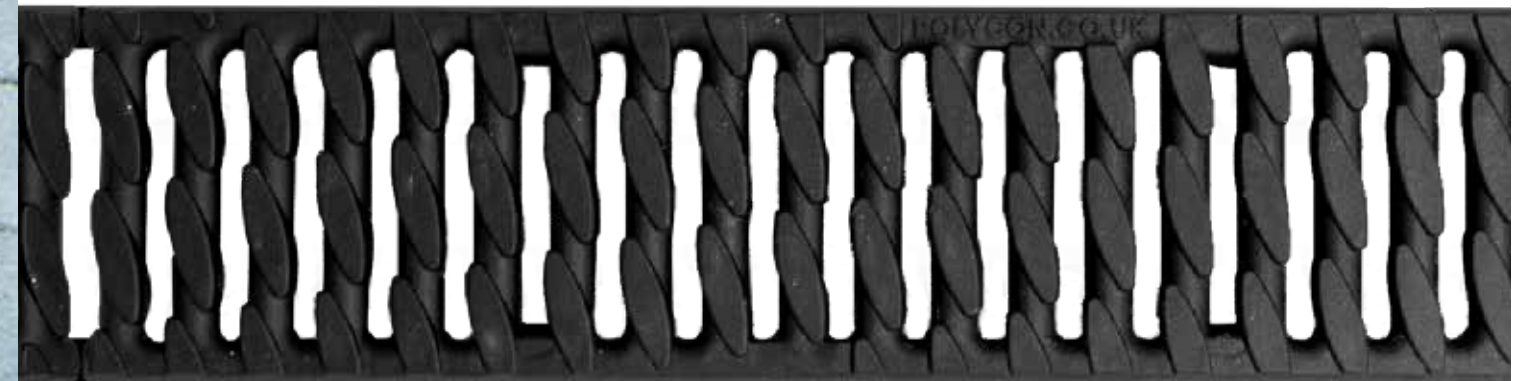
SELF ECO 150

The Self Eco 150, supplied by Polycon, is a cutting-edge channel system that has revolutionized the way we manage water in larger domestic projects and areas with increased rainfall. This innovative channel is designed to offer a range of benefits that make it a standout choice for those seeking efficient water management solutions.

One of the primary advantages of the Self Eco 150 channel is its remarkable water-holding capacity. When it comes to larger domestic projects or regions prone to heavy rainfall, the need for effective water drainage and retention cannot be overstated.

This channel excels in this regard, as it can efficiently collect and hold substantial amounts of water. This feature is particularly crucial for preventing water build-up and potential flooding, ensuring the safety and aesthetics of the surrounding area.

Additionally, the Self Eco 150 is engineered to withstand the rigors of time and environmental challenges. Constructed from high-quality materials, it boasts exceptional durability and longevity, reducing the need for frequent replacements and maintenance. This not only saves costs but also minimizes the environmental impact associated with constant product replacement.



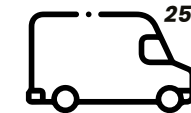
Load Class



A15
1.5 tonnes



B125
12.5 tonnes



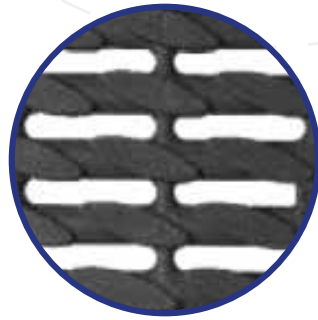
C250
25 tonnes

Applications

- Gardens
- Driveways
- Pedestrian areas
- Farms

SELF ECO 150 – Overview

Colour Options

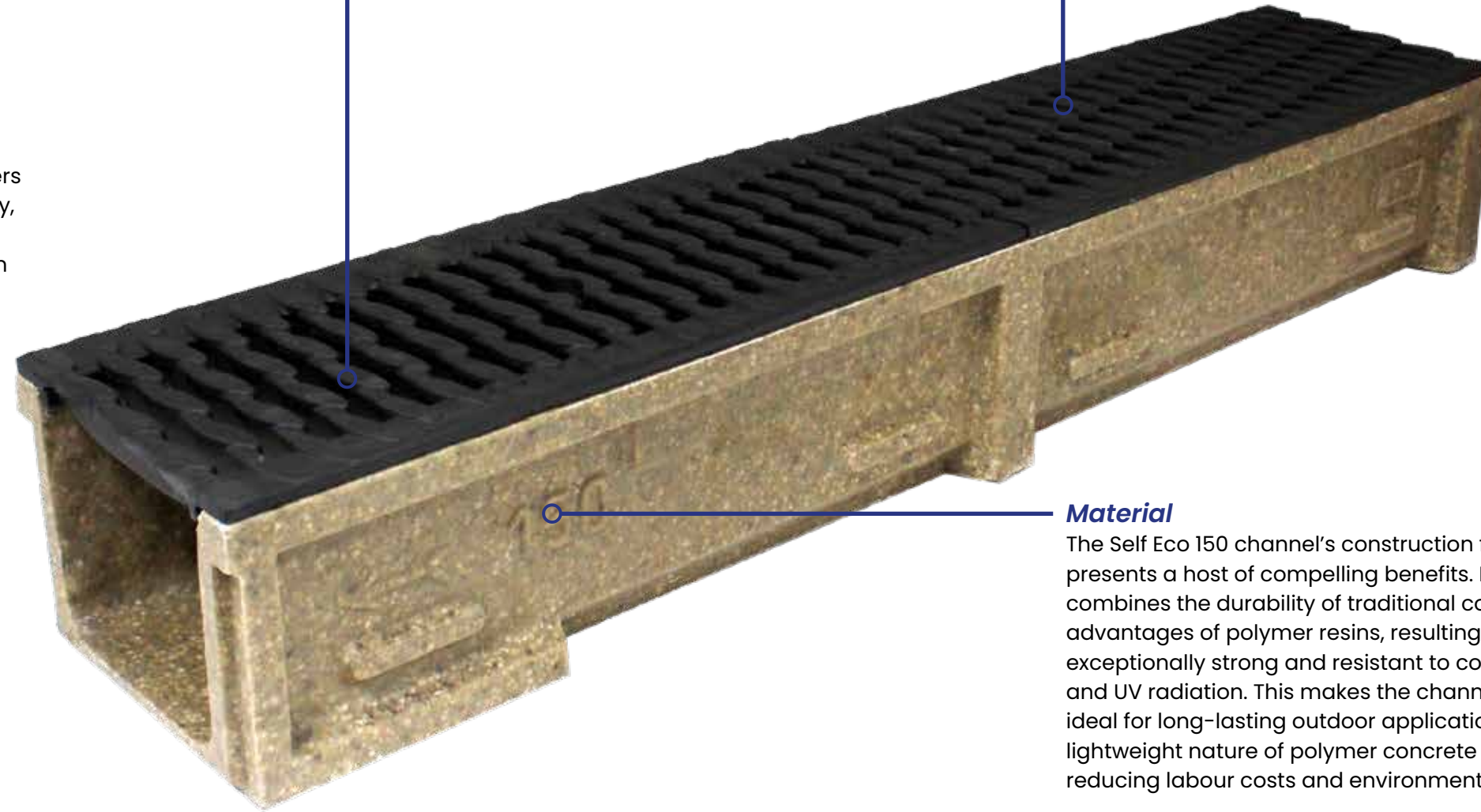


Grating Options

The Self Eco 150 drainage channel offers exceptional versatility and adaptability, thanks to its distinct grating options: steel slotted, steel mesh, and cast-iron oval grip. Additionally, the Self Eco 150 can also offer both galvanized and stainless steel paveslot grating, allowing you to create sleek and aesthetically pleasing landscape.

Bolt & Bar

Bolt & Bar fastenings are optimised for the specific load classes and unite reliability and high quality with functional design.



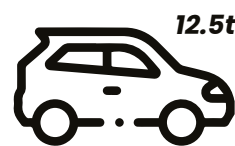
Material

The Self Eco 150 channel's construction from polymer concrete presents a host of compelling benefits. Polymer concrete combines the durability of traditional concrete with the added advantages of polymer resins, resulting in a material that is exceptionally strong and resistant to corrosion, chemicals, and UV radiation. This makes the channel highly durable and ideal for long-lasting outdoor applications. Furthermore, the lightweight nature of polymer concrete simplifies installation, reducing labour costs and environmental impact.

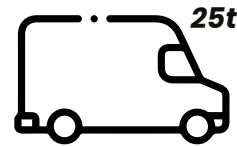
Load Classes



A15



B125

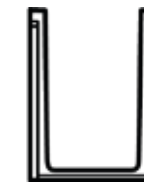


C250

Depth Options



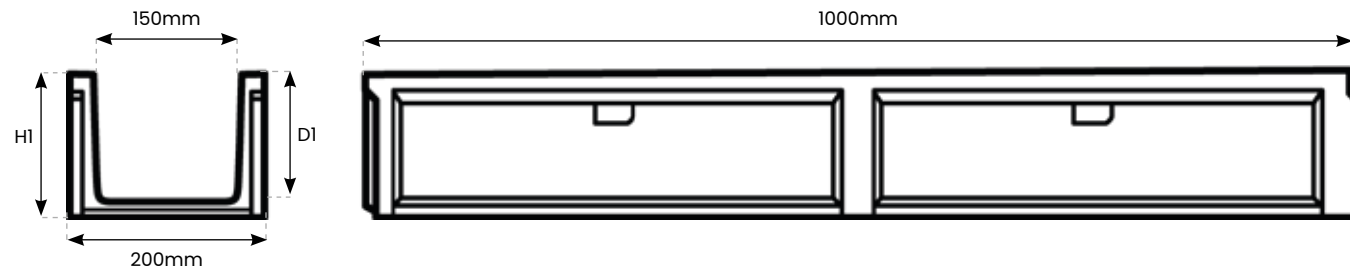
80mm



150mm

SELF ECO 150.80

The Self Eco 150 channel supplied by Polycon is a game-changer in the field of water management for domestic projects and areas with high rainfall. Its ability to effectively capture and retain large volumes of water and its adaptability and durability make it a standout choice for professionals and organisations seeking efficient and reliable solutions to their water management challenges.



Accessories

Self 150 Sump Unit acts as a reservoir, temporarily storing excess water before discharging it in a controlled manner to prevent adverse effects of water accumulation.

The End Cap Outlet can be used at the end of the run to allow water to be taken to your exterior drainage pipes and away from the channel.

End Caps can be used at the end of your channel run to stop the flow of water.



Foul Air Trap

A Foul Air Trap is used to prevent foul or unpleasant odours from sewage or wastewater from escaping through the drainage channel and into the surrounding environment.



Foul Air Trap

110mm Spigot

110mm Spigot allows you to connect your channel outlet to a pipe. A Spigot typically refers to a male end of a pipe or fitting that is designed to fit into a corresponding female socket or connection.



110mm Spigot

Accessories- Specifications

Reference	Description	Length	Height (H)	Overall Width	Weight (KG)	Outlet
SELF.ECO.150.SU	Self Eco 150 Sump Unit	500mm	585mm	200mm	21kg	110mm
SELF.ECO.150.S110	Self Eco 150 110mm Spigot	110mm	100mm	110mm	0.8kg	110mm
SELF.ECO.150.FT	Self Eco 150 Foul Trap	30mm	150mm	85mm	0.4kg	110mm
SELF.ECO.150.ECO	Self Eco 150 End Cap Outlet	22mm	160mm	200mm	1.2kg	110mm
SELF.ECO.150.EC	Self Eco 150 End Cap	25mm	100mm	200mm	0.8kg	-

Grating Options - 80mm



Steel Slotted Grating (A15)



Mesh Steel Grating (B125)



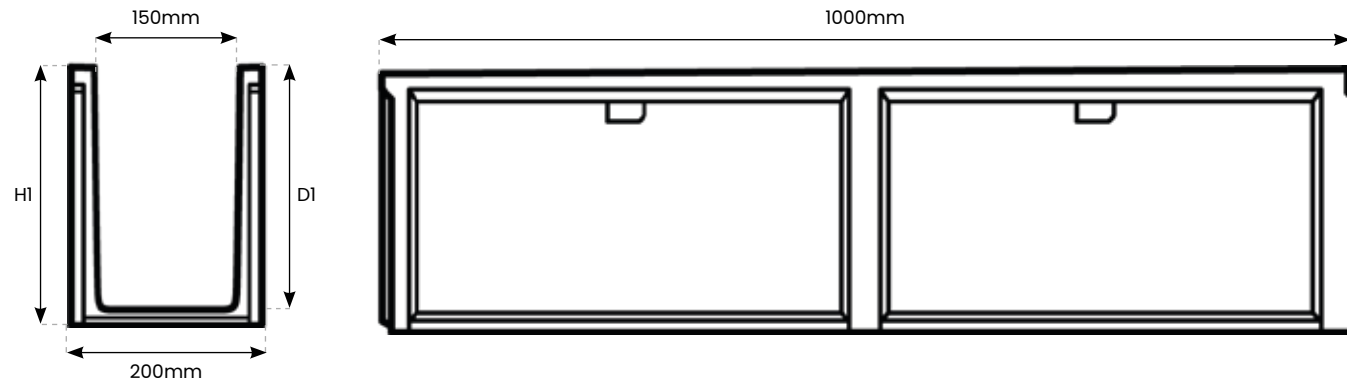
Cast-Iron OvalGrip Grating (C250)

Grating - Specifications

Reference	Description	Length	Internal Width	Overall Width	Overall Depth(H)	Internal Depth(D1)	Load Class	Safe Heel
SELF.150.SSG	Self Eco 150.80 + Steel Slotted Grating	500/1000mm	100mm	200mm	80mm	60mm	A	No
SELF.150.MSG	Self Eco 150.80 + Mesh Steel Grating	500/1000mm	100mm	200mm	80mm	60mm	A/B	No
SELF.150.CIOG	Self Eco 150.80 + Cast Iron OvalGrip Grating	500mm	100mm	200mm	80mm	60mm	A/B/C	No

SELF ECO 150.150

The Self Eco 150 channel supplied by Polycon is a game-changer in the field of water management for domestic projects and areas with high rainfall. Its ability to effectively capture and retain large volumes of water and its adaptability and durability make it a standout choice for professionals and organisations seeking efficient and reliable solutions to their water management challenges.



Accessories

Self 150 Sump Unit acts as a reservoir, temporarily storing excess water before discharging it in a controlled manner to prevent adverse effects of water accumulation.

The End Cap Outlet can be used at the end of the run to allow water to be taken to your exterior drainage pipes and away from the channel.

End Caps can be used at the end of your channel run to stop the flow of water.



Foul Air Trap

Foul Air Trap is used to prevent foul or unpleasant odours from sewage or wastewater from escaping through the drainage channel and into the surrounding environment.



Foul Air Trap

110mm Spigot

110mm Spigot allows you to connect your channel outlet to a pipe. A Spigot typically refers to a male end of a pipe or fitting that is designed to fit into a corresponding female socket or connection.



110mm Spigot

Accessories- Specifications

Reference	Description	Length	Height (H)	Overall Width	Weight (KG)	Outlet
SELF.ECO.150.SU	Self Eco 150 Sump Unit	500mm	585mm	200mm	21kg	110mm
SELF.ECO.150.S110	Self Eco 150 110mm Spigot	110mm	100mm	110mm	0.8kg	110mm
SELF.ECO.150.FT	Self Eco 150 Foul Trap	30mm	150mm	85mm	0.4kg	110mm
SELF.ECO.150.ECO	Self Eco 150 End Cap Outlet	22mm	160mm	200mm	1.2kg	110mm
SELF.ECO.150.EC	Self Eco 150 End Cap	25mm	100mm	200mm	0.8kg	-

Grating Options - 150mm



Steel Slotted Grating (A15)



Mesh Steel Grating (B125)



Cast-Iron OvalGrip Grating (C250)

Grating - Specifications

Reference	Description	Length	Internal Width	Overall Width	Overall Depth(H1)	Internal Depth(D1)	Load Class	Safe Heel
SELF.150.SSG	Self Eco 150.150 + Steel Slotted Grating	500/1000mm	100mm	200mm	150mm	130mm	A	No
SELF.150.MSG	Self Eco 150.150 + Mesh Steel Grating	500/1000mm	100mm	200mm	150mm	130mm	A/B	No
SELF.150.CIOG	Self Eco 150.150 + Cast Iron OvalGrip Grating	500mm	100mm	200mm	150mm	130mm	A/B/C	No

SELF ECO 150 – Offset Paveslot

Self Eco Paveslot is specifically designed for integration into high-quality natural stone and paving surfaces. The discrete inlet slot enables efficient drainage without compromising the ground design. We offer Galvanised and Stainless Steel Paveslot as well as an access tray for cleaning purposes.

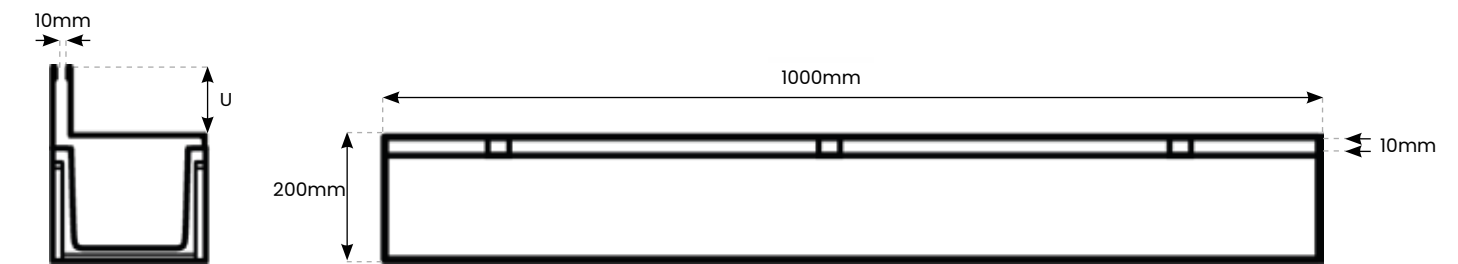


Paveslot Options



Available In Galvanised and Stainless Steel

Diagram - Offset Paveslot



Grating - Specifications

Reference	Description	Length (mm)	Slot Width	Overall Width	Load Class	Upstand (U)
SELF.150.GOP	150 Galvanised Offset Paveslot	1000	10	200	C250	60mm
SELF.150.SSOP	150 Stainless Steel Offset Paveslot	1000	10	200	C250	60mm

SELF ECO 200

SELF ECO 200

Introducing the Self Eco 200 drainage channel, a robust solution for those situations where maximum water capacity is an absolute necessity. This advanced drainage system is designed to excel in environments that demand the highest level of performance and reliability, surpassing the Self Eco 100 and 150 channels.

One of the standout benefits of the Self Eco 200 channel is its sheer capacity to handle significant volumes of water. When faced with heavy rainfall, flood-prone areas, requiring efficient water removal, this channel rises to the occasion.

It is specifically engineered to manage the most demanding water flow scenarios, ensuring that no excess water lingers on the surface, thereby reducing the risk of flooding and water damage.

Constructed from high-quality polymer concrete, the Self Eco 200 channel boasts remarkable durability and longevity. This material is known for its resistance to corrosion, chemicals, and wear and tear, making it ideal for enduring the harshest environmental conditions. It also significantly reduces maintenance requirements, saving both time and resources over the long term.



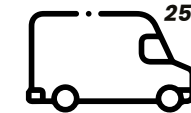
Load Class



A15
1.5 tonnes



B125
12.5 tonnes



C250
25 tonnes

Applications

- Driveways
- Patios
- Garden paths
- Playgrounds
- Pedestrian areas
- Garages

SELF ECO 200 – Overview

Colour Options

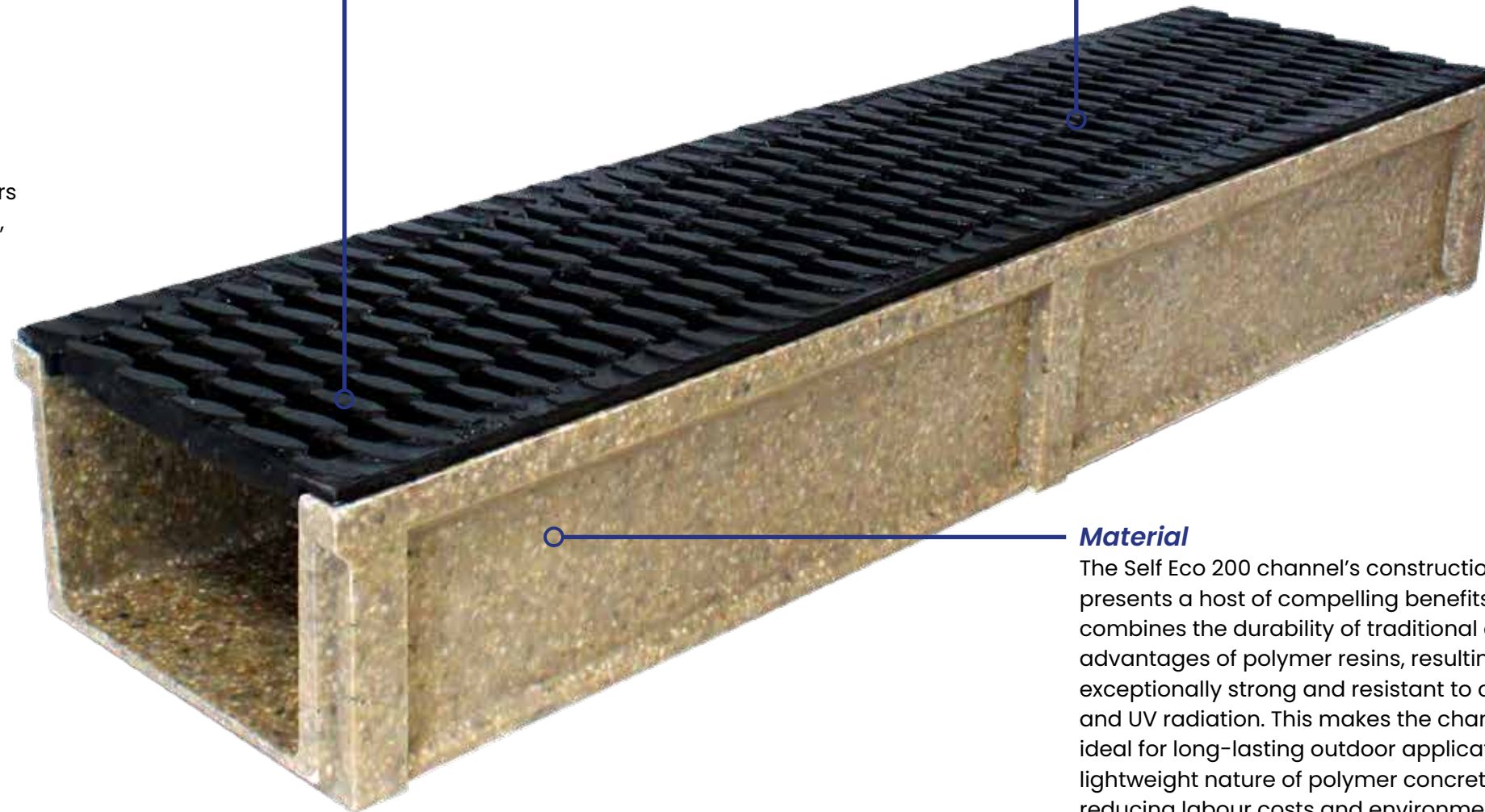


Grating Options

The Self Eco 200 drainage channel offers exceptional versatility and adaptability, thanks to its distinct grating options: steel mesh, and ductile-iron oval grip. Additionally, the Self Eco 200 can also offer both galvanized and stainless steel paveslot grating, allowing you to create sleek and aesthetically pleasing landscape.

Bolt & Bar

Bolt & Bar fastenings are optimised for the specific load classes and unite reliability and high quality with functional design.



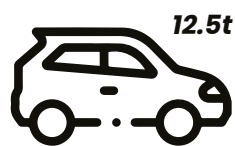
Material

The Self Eco 200 channel's construction from polymer concrete presents a host of compelling benefits. Polymer concrete combines the durability of traditional concrete with the added advantages of polymer resins, resulting in a material that is exceptionally strong and resistant to corrosion, chemicals, and UV radiation. This makes the channel highly durable and ideal for long-lasting outdoor applications. Furthermore, the lightweight nature of polymer concrete simplifies installation, reducing labour costs and environmental impact.

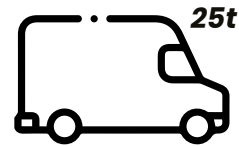
Load Classes



A15



B125

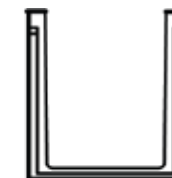


C250

Depth Options



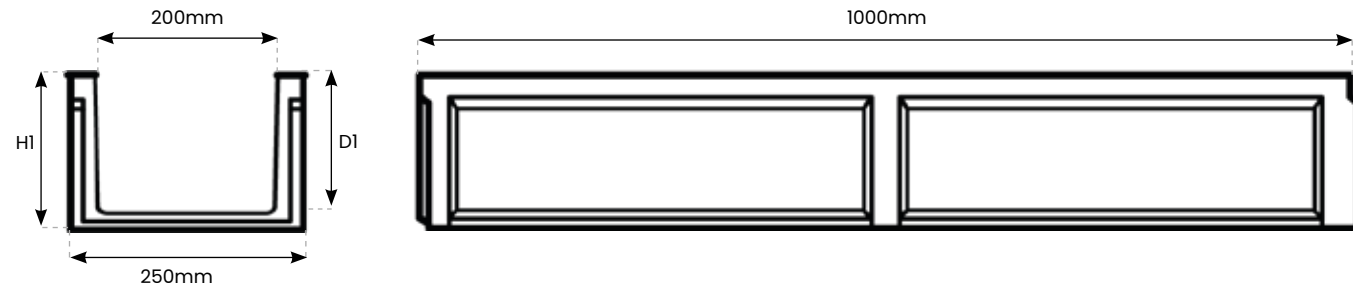
100mm



150mm

SELF ECO 200.100

The Self Eco 200 drainage channel is a great solution for maximum water capacity needs. It's unmatched ability to handle heavy rainfall, coupled with the durability of polymer concrete, makes it a reliable choice for professionals and organisations looking to secure efficient and long-lasting water management solutions in even the most demanding settings. When it comes to ensuring the removal of heavy rainfall and safeguarding against flooding, the Self Eco 200 is the ultimate choice.



Accessories

The Self 200 Sump Unit acts as a reservoir, temporarily storing excess water before discharging it in a controlled manner to prevent adverse effects of water accumulation.

The End Cap Outlet can be used at the end of the run to allow water to be taken to your exterior drainage pipes and away from the channel.

End Caps can be used at the end of your channel run to stop the flow of water.



Foul Air Trap

A Foul Air Trap is used to prevent foul or unpleasant odours from sewage or wastewater from escaping through the drainage channel and into the surrounding environment.



Foul Air Trap

110mm Spigot

110mm Spigot allows you to connect your channel outlet to a pipe. A Spigot typically refers to a male end of a pipe or fitting that is designed to fit into a corresponding female socket or connection.



110mm Spigot

Accessories- Specifications

Reference	Description	Length	Height (H)	Overall Width	Weight (KG)	Outlet
SELF.ECO.200.SU	Self Eco 200 Sump Unit	500mm	585mm	250mm	38kg	110mm
SELF.ECO.200.S110	Self Eco 200 110mm Spigot	110mm	100mm	110mm	0.8kg	110mm
SELF.ECO.200.FT	Self Eco 200 Foul Trap	30mm	150mm	85mm	0.4kg	110mm
SELF.ECO.200.ECO	Self Eco 200 End Cap Outlet	22mm	100mm	250mm	1.2kg	110mm
SELF.ECO.200.EC	Self Eco 200 End Cap	25mm	100mm	250mm	0.8kg	-

Grating Options - 100mm



Mesh Steel Grating (B125)



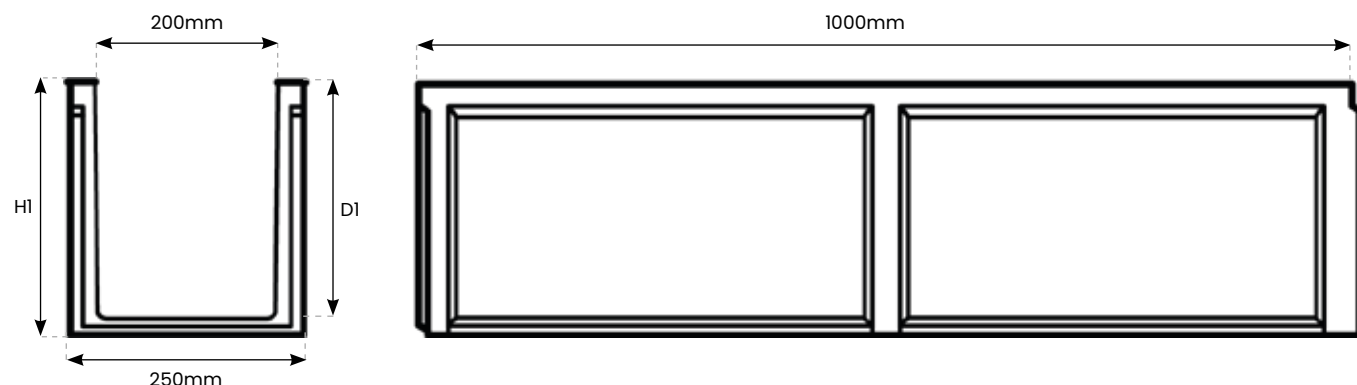
Ductile-Iron OvalGrip Grating (C250)

Grating - Specifications

Reference	Description	Length	Internal Width	Overall Width	Overall Depth(H)	Internal Depth(D)	Load Class	Safe Heel
SELF.200.MSG	Self Eco 200.100 + Mesh Steel Grating	500/1000mm	200mm	250mm	100mm	90mm	A/B	No
SELF.200.DIOG	Self Eco 200.100 + Ductile Iron OvalGrip Grating	500/1000mm	200mm	250mm	100mm	90mm	A/B/C	No

SELF ECO 200.150

The Self Eco 200 drainage channel is a great solution for maximum water capacity needs. It's unmatched ability to handle heavy rainfall, coupled with the durability of polymer concrete, makes it a reliable choice for professionals and organisations looking to secure efficient and long-lasting water management solutions in even the most demanding settings. When it comes to ensuring the removal of heavy rainfall and safeguarding against flooding, the Self Eco 200 is the ultimate choice.



Accessories

The Self 200 Sump Unit acts as a reservoir, temporarily storing excess water before discharging it in a controlled manner to prevent adverse effects of water accumulation.

The End Cap Outlet can be used at the end of the run to allow water to be taken to your exterior drainage pipes and away from the channel.

End Caps can be used at the end of your channel run to stop the flow of water.



Foul Air Trap

A Foul Air Trap is used to prevent foul or unpleasant odours from sewage or wastewater from escaping through the drainage channel and into the surrounding environment.



Foul Air Trap

110mm Spigot

110mm Spigot allows you to connect your channel outlet to a pipe. A Spigot typically refers to a male end of a pipe or fitting that is designed to fit into a corresponding female socket or connection.

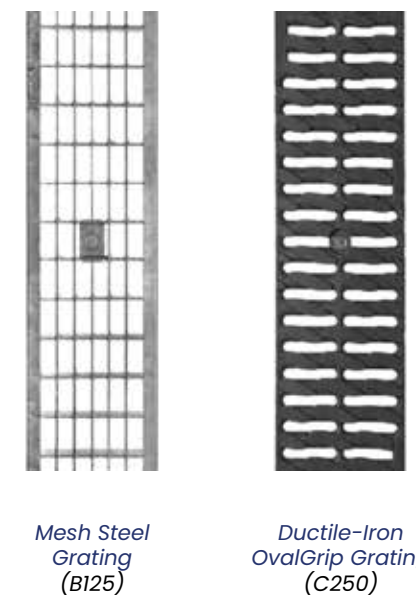


110mm Spigot

Accessories- Specifications

Reference	Description	Length	Height (H)	Overall Width	Weight (KG)	Outlet
SELF.ECO.200.SU	Self Eco 200 Sump Unit	500mm	585mm	250mm	38kg	110mm
SELF.ECO.200.S110	Self Eco 200 110mm Spigot	110mm	100mm	110mm	0.8kg	110mm
SELF.ECO.200.FT	Self Eco 200 Foul Trap	30mm	150mm	85mm	0.4kg	110mm
SELF.ECO.200.ECO	Self Eco 200 End Cap Outlet	22mm	150mm	250mm	1.2kg	110mm
SELF.ECO.200.EC	Self Eco 200 End Cap	25mm	150mm	250mm	0.8kg	-

Grating Options - 150mm



Grating - Specifications

Reference	Description	Length	Internal Width	Overall Width	Overall Depth(H1)	Internal Depth(D1)	Load Class	Safe Heel
SELF.200.MSG	Self Eco 200.150 + Mesh Steel Grating	500/1000mm	200mm	250mm	150mm	130mm	A/B	No
SELF.200.DIOG	Self Eco 200.150 + Ductile Iron OvalGrip Grating	500/1000mm	200mm	250mm	150mm	130mm	A/B/C	No



Polycon Surface Water Drainage

**Widnes Business Park
Foundry Lane
Widnes
Cheshire
WA8 8UB**

**www.polycon.co.uk
0151 422 9747
sales@polycon.co.uk**

Service . Range . Knowledge