



SELF 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.

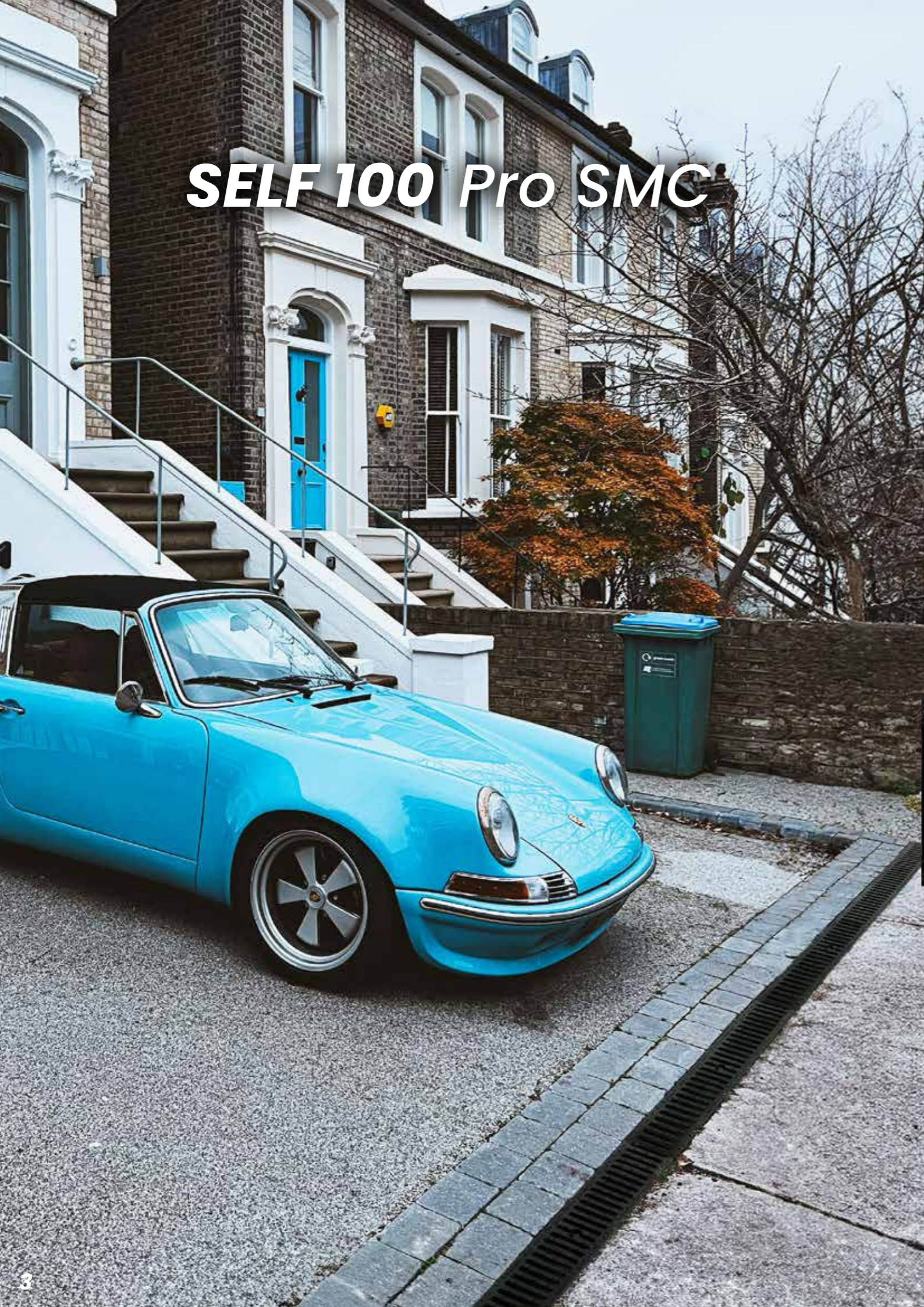
We are a dynamic and evolving company with a focus on quality, innovation, and service. As a result, you can rely on us to handle your project needs in every way to the best of our ability.

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Service • Range • Knowledge

SELF 100 Pro SMC



SELF 100 Pro SMC

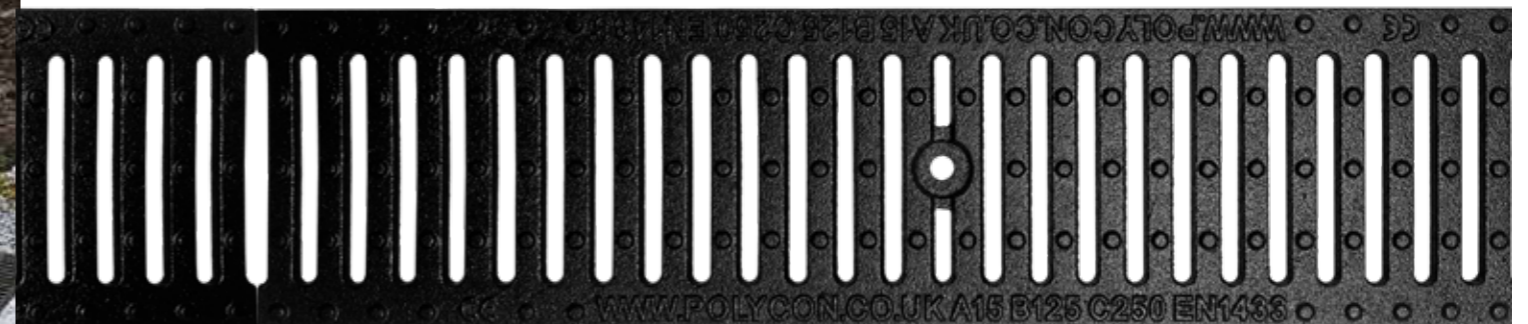
Introducing the Self 100 Pro SMC by Polycon, a cutting-edge channel drainage solution that sets new standards in robustness and reliability for urban and domestic drainage needs. Crafted from high-quality Sheet Moulded Composite (SMC) materials, this innovative drainage system is engineered to withstand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

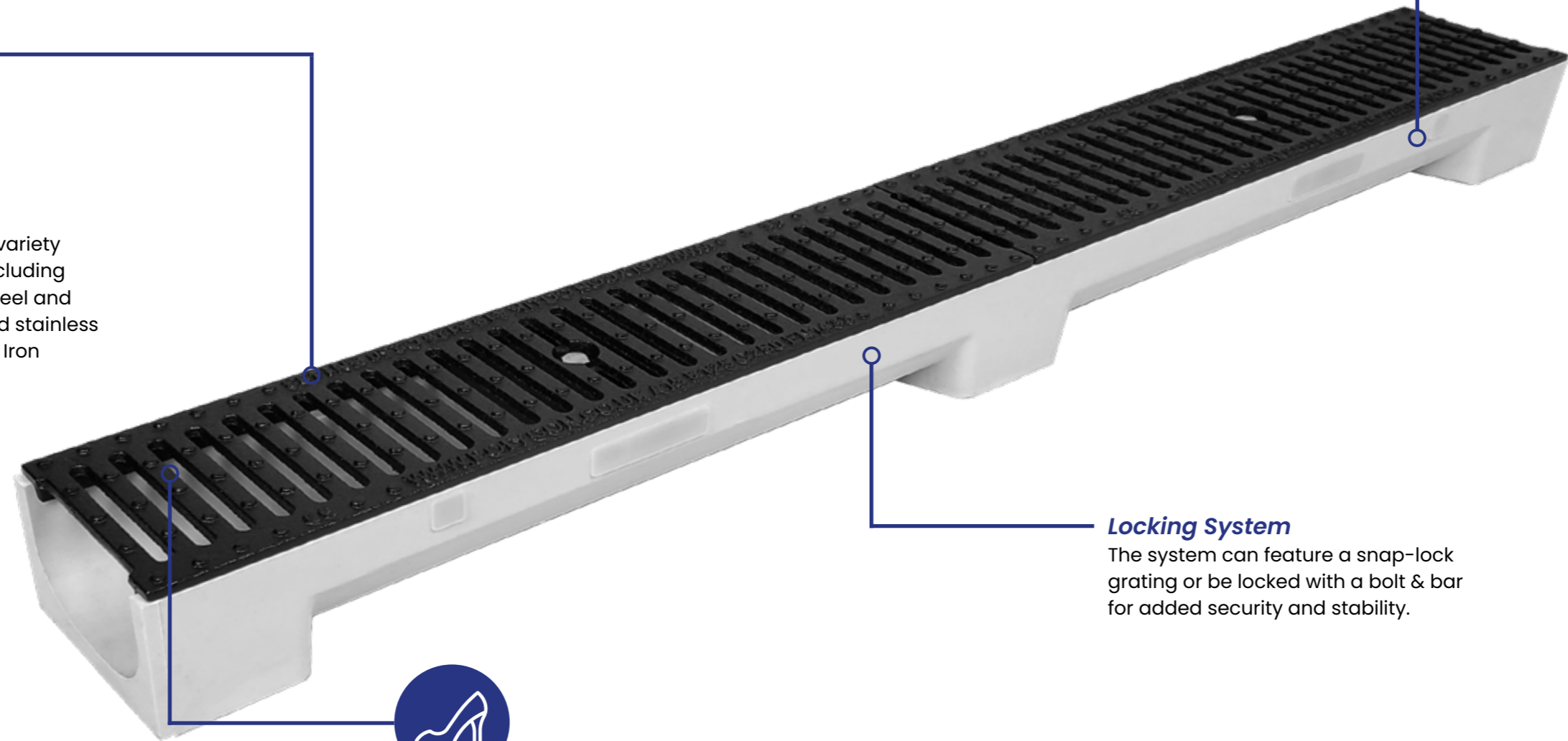
- Driveways
- Pedestrian Areas
- Gardens & Patios

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.



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



SAFEHEEL

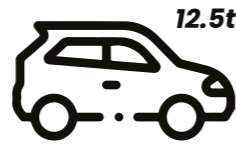
Locking System

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

Load Classes



A15



B125

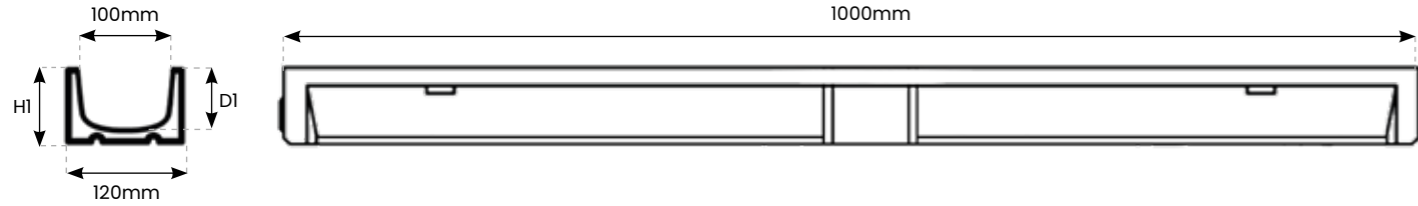
Depth Options



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.



Channel - Specifications

Reference	Description	Length	Internal Width	Overall Width	Overall Depth(HI)	Internal Depth(DI)
SP.SMC.100.80	Self Pro SMC 100 Channel	1000mm	100mm	120mm	80mm	60mm

Grating Options



Galvanised Slotted Steel (A15)



Galvanised Slotted SafeHeel (A15)



KTL Frosted Ductile Iron Slotted (B125)



Galvanised/Stainless Steel Offset Paveslot (B125)

Grating - Specifications

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

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.

Access Tray – Access trays are typically used for maintenance and inspection purposes, they are installed at strategic points along the channel, often at intervals where they can be easily reached for cleaning, inspection, or repairs.



Accessories- Specifications

Reference	Description	Length	Height	Overall Width	Weight	Outlet
SUMP.SELF.SMC	Self SMC Sump Unit	500mm	400mm	120mm	14.8kg	110mm
EC.SELF.SMC	Self SMC End Cap	7mm	100mm	120mm	0.4kg	50mm
EO.SELF.SMC	Self SMC End Cap Outlet	55mm	160mm	120mm	0.7kg	110mm
BB.SELF.SMC	Self SMC Bolt & Bar	100mm	40mm	25mm	0.5kg	-
S.SELF.SMC	Self SMC Spigot	110mm	100mm	110mm	0.8kg	110mm
S.SELF.ATG	Self SMC Access Tray Galvanised	500mm	105mm	120mm	6.5kg	-
S.SELF.ATSS	Self SMC Access Tray Stainless Steel	500mm	105mm	120mm	6.5kg	-

Operations & Maintenance

The Self 100 Pro SMC channel drainage system is designed for efficient surface water management and ease of maintenance. Regular inspection and cleaning will help ensure optimal performance over its lifetime.

A minimum of one clean per year is recommended, ideally as part of a structured maintenance plan. However, maintenance frequency should be adjusted according to site conditions, debris build-up, and traffic volume.

General Maintenance (Standard Gratings)

- Inspect channels and gratings regularly for damage, debris build-up, or signs of blockage.
- Remove any leaves, silt, or solid materials obstructing the flow of water.
- Clean the channels using a high-pressure hose. Access can be gained directly through the grating slots.
- Make sure the areas inside the channel where the grating sits are free from dirt or debris, so the grates fit securely and level.
- Locking bolts should be checked and securely tightened so they sit flush with the grating surface.



Paveslot Maintenance

When installed with **Paveslot gratings**, the system requires additional care due to the narrow inlet design and concealed access.

- The **Paveslot slot** must be kept clear of compacted dirt, silt, and residue, especially during and after paving works.
- Routine flushing using a high-pressure hose is recommended to maintain clear flow through the narrow slot.
- **Galvanised access trays** should be positioned at intervals along the run to allow for internal inspection and cleaning.

To remove the access tray:

Insert the lifting keys into the slots and turn **anticlockwise** to disengage the tray. Once released, lift the tray out vertically for full access to the channel beneath.

After maintenance:

- Re-seat the access tray carefully and ensure it is level with the finished surface.
- Confirm that any locking mechanisms are engaged to prevent movement or dislodgement.



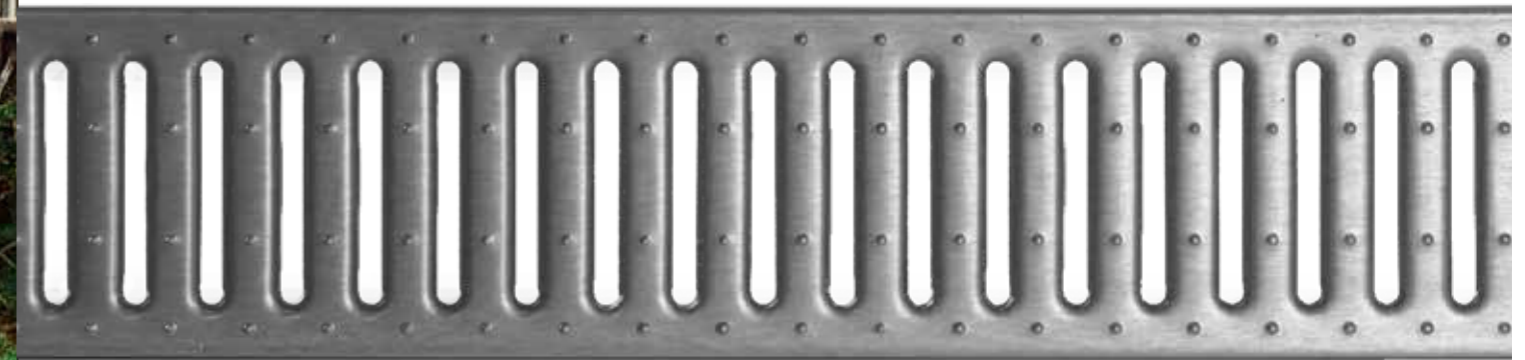
SELF ECO 100

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



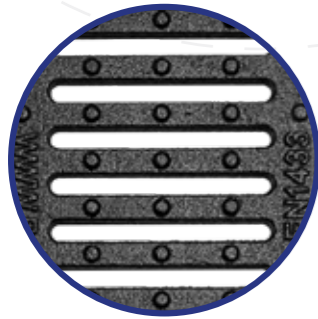
B125
12.5 tonnes

Applications

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

SELF ECO 100 – Overview

Colour Options

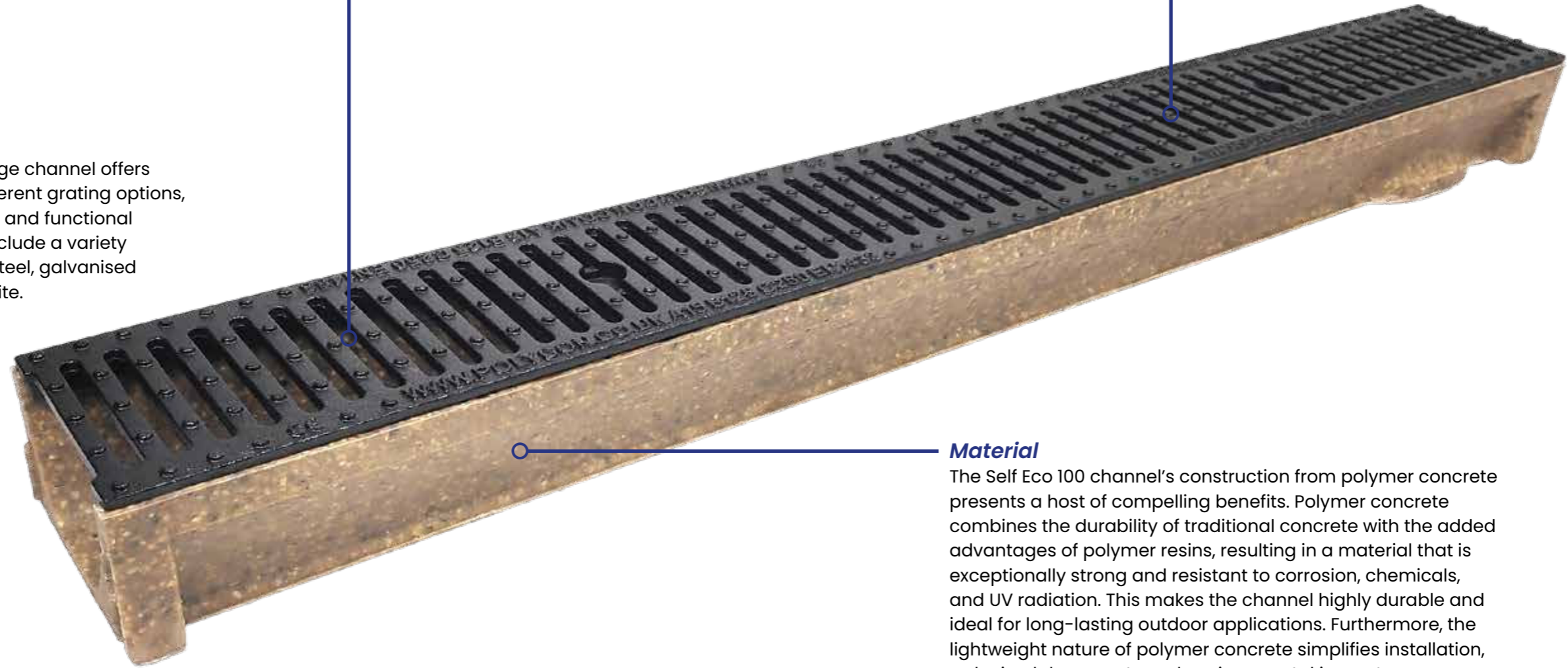


Grating Options

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, galvanised steel, ductile iron, and composite.



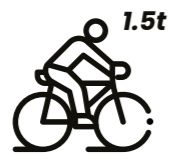
SAFEHEEL



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



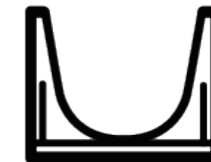
12.5t

B125

Depth Options



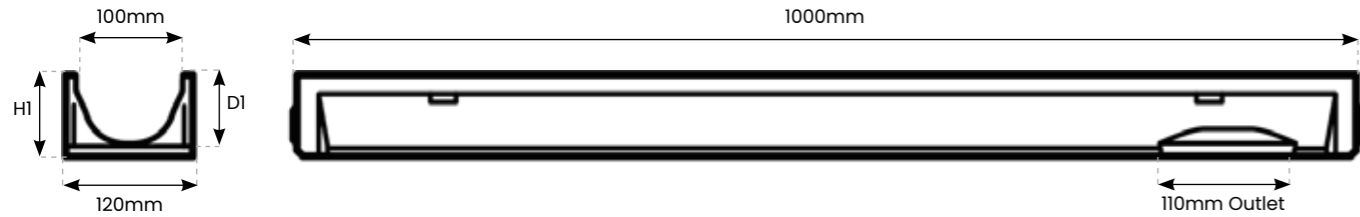
80mm



100mm

SELF ECO 100 – 80mm depth

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.

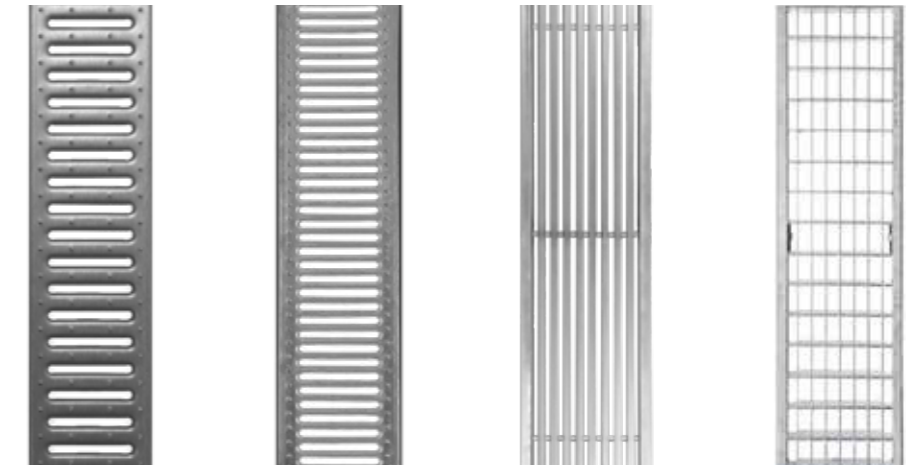
110mm Spigot allows you to connect your channel outlet to a pipe. A Spigot typically refers to a male end of a pipe or fitting that is designed to fit into a corresponding female socket or connection.



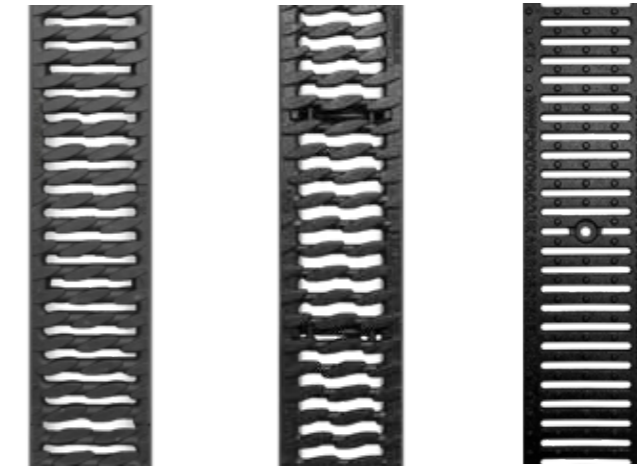
Accessories- Specifications

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	55mm	160mm	120mm	0.7kg	110mm
SELF.ECO.100.EC	Self Eco 100 End Cap	7mm	100mm	120mm	0.4kg	50mm

Grating Options – 80mm



Galvanised Slotted Grating (A15) Galvanised SafeHeel Slotted Grating (A15) Longitudinal Steel Grating (A15) Mesh Steel Grating (B125)



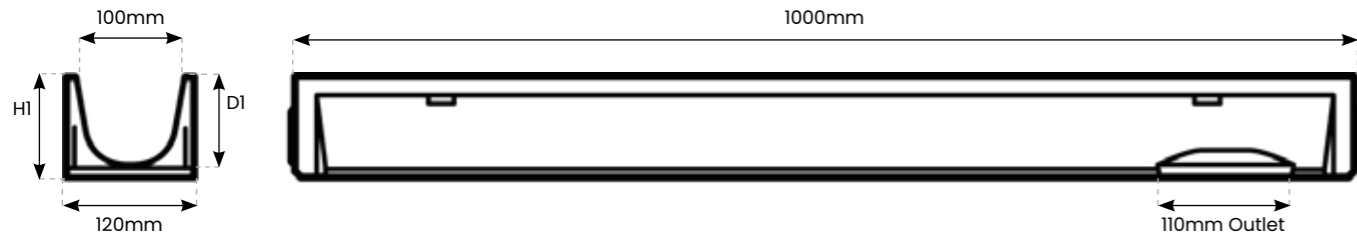
Plastic OvalGrip Grating (B125) Ductile Iron OvalGrip Grating (B125) KTL Frosted Ductile Iron Slotted (B125)

Channel / Gratings - 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.LSG	Self Eco 100.80 + Longitudinal Steel Grating	1000mm	100mm	120mm	80mm	60mm	A	No
SELF.100.MSG	Self Eco 100.80 + Mesh Steel Grating	1000mm	100mm	120mm	80mm	60mm	A/B	No
SELF.100.POG	Self Eco 100.80 + Plastic 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 – 100mm depth

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.

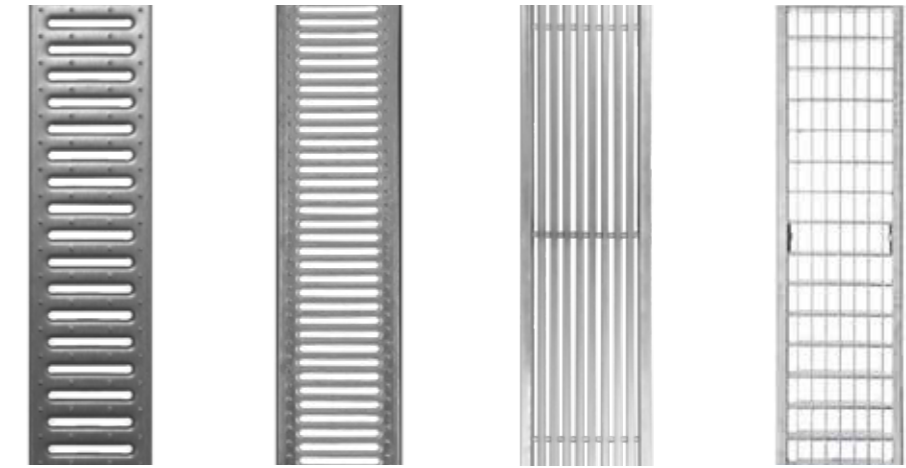
110mm Spigot allows you to connect your channel outlet to a pipe. A Spigot typically refers to a male end of a pipe or fitting that is designed to fit into a corresponding female socket or connection.



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	55mm	160mm	120mm	0.7kg	110mm
SELF.ECO.100.EC	Self Eco 100 End Cap	7mm	100mm	120mm	0.4kg	50mm

Grating Options – 100mm

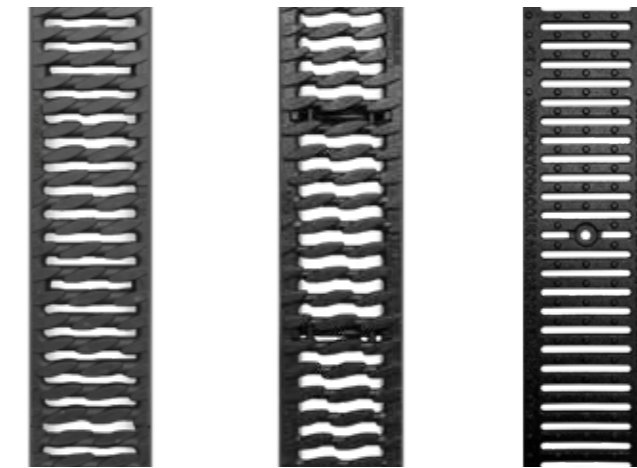


Galvanised Slotted Grating (A15)

Galvanised SafeHeel Slotted Grating (A15)

Longitudinal Steel Grating (A15)

Mesh Steel Grating (B125)



Plastic OvalGrip Grating (B125)

Ductile Iron OvalGrip Grating (B125)

KTL Frosted Ductile Iron Slotted (B125)

Channel / Gratings - 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.LSG	Self Eco 100.100 + Longitudinal Steel Grating	1000mm	100mm	120mm	100mm	80mm	A	No
SELF.100.MSG	Self Eco 100.100 + Mesh Steel Grating	1000mm	100mm	120mm	100mm	80mm	A/B	No
SELF.100.POG	Self Eco 100.100 + Plastic 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.D18SG	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.

Access trays are typically used for maintenance and inspection purposes, they are installed at strategic points along the channel, often at intervals where they can be easily reached for cleaning, inspection, or repairs.



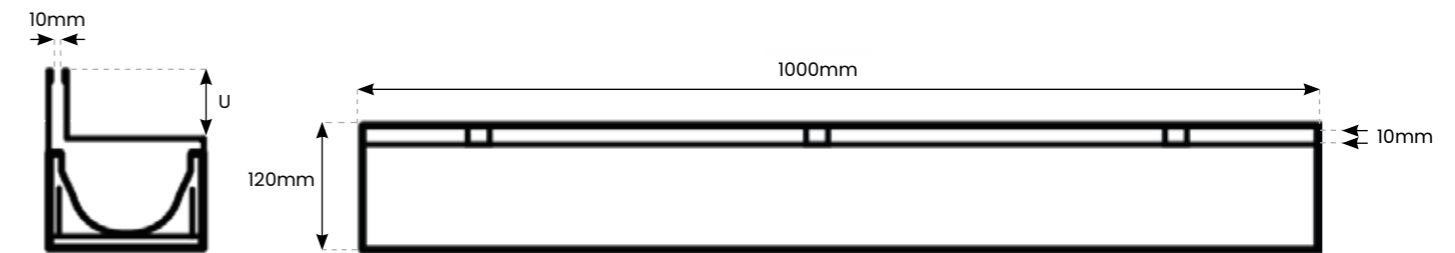
Paveslot Options



Paveslot

Access Tray

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

Access Trays - Specifications

Reference	Description	Length	Height (H)	Overall Width	Weight (KG)
SELF.ECO.100.ATG	Self Eco 100 Access Tray - Galvanised	500mm	105mm	120mm	6.5kg
SELF.ECO.100.ATSS	Self Eco 100 Access Tray - Stainless Steel	500mm	105mm	120mm	6.5kg

SELF ECO 150

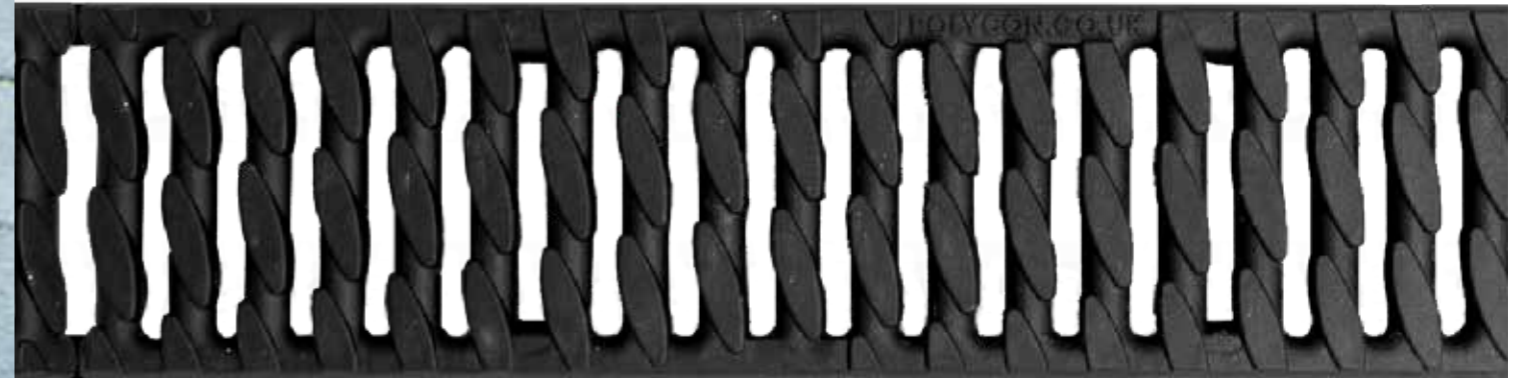
SELF ECO 150

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.



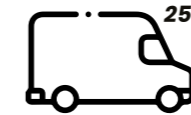
Load Class



A15
1.5 tonnes



B125
12.5 tonnes



C250
25 tonnes

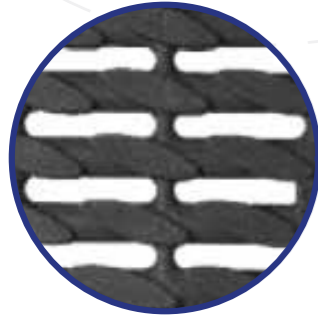
Applications

- Gardens
- Driveways
- Pedestrian areas
- Farms

SELF ECO 150 – Overview

Colour Options

Sand

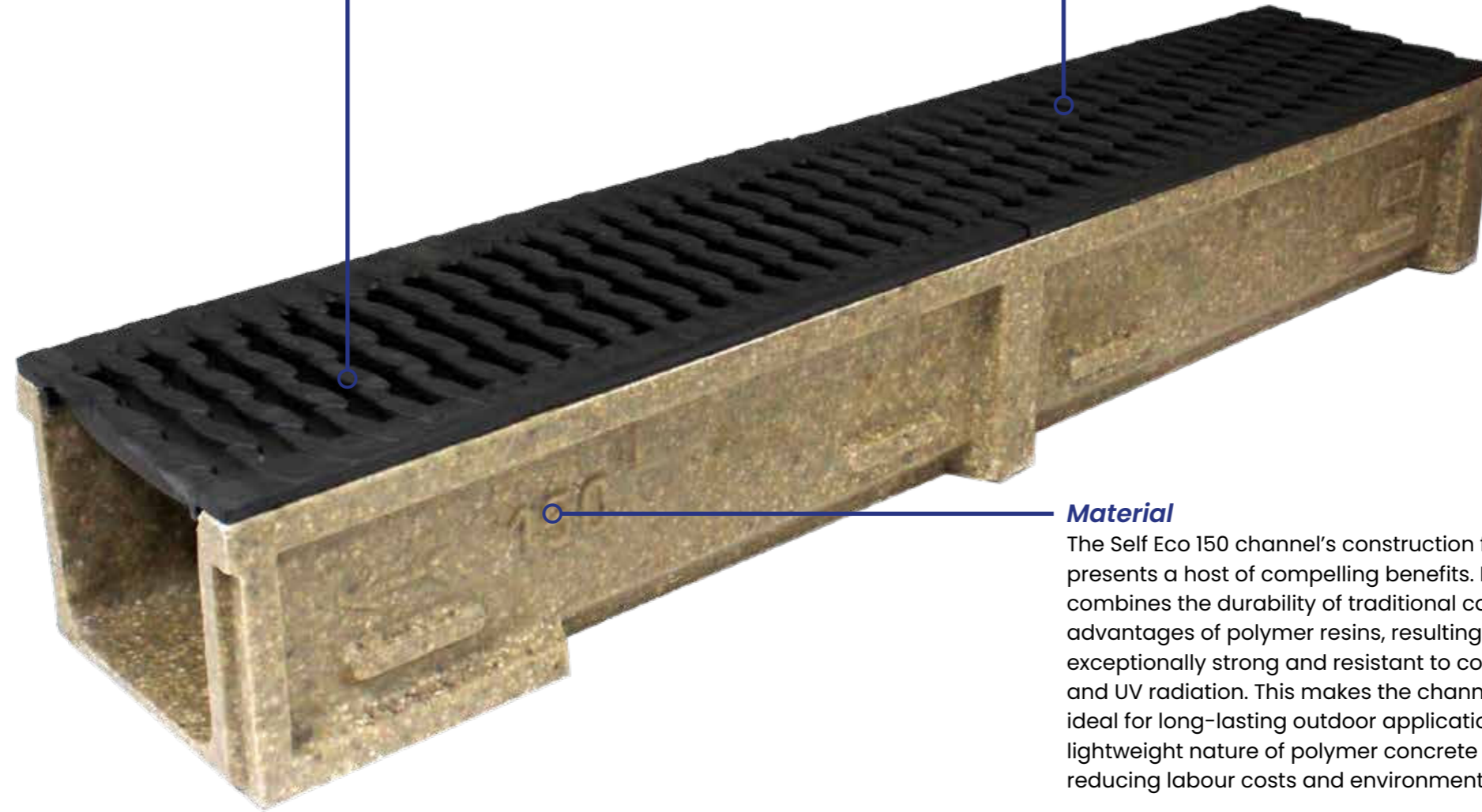


Grating Options

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.

Bolt & Bar

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



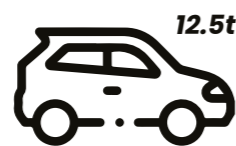
Material

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



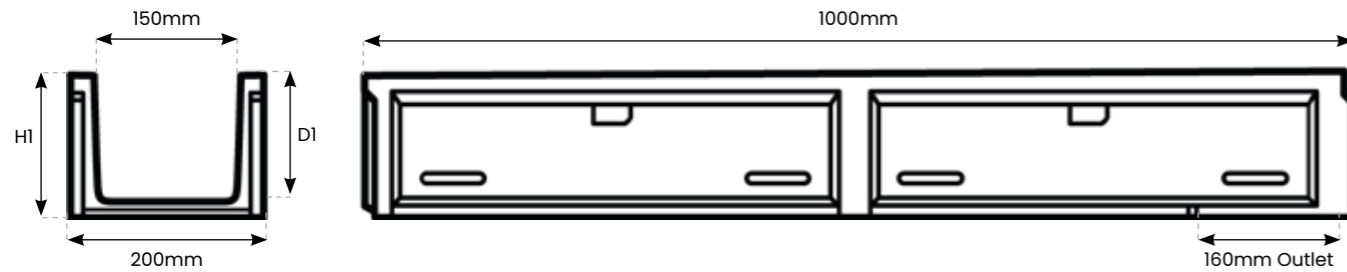
80mm



150mm

SELF ECO 150 – 80mm depth

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)



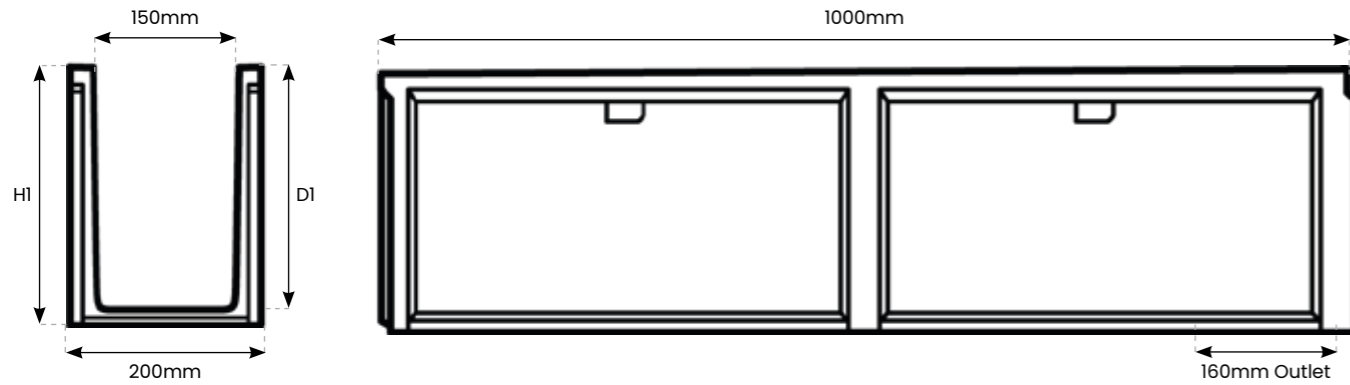
Cast-Iron OvalGrip Grating (C250)

Channel / Gratings – 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 - 150mm depth

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)

Channel / Gratings - 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 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.



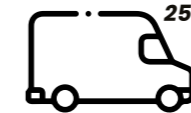
Load Class



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

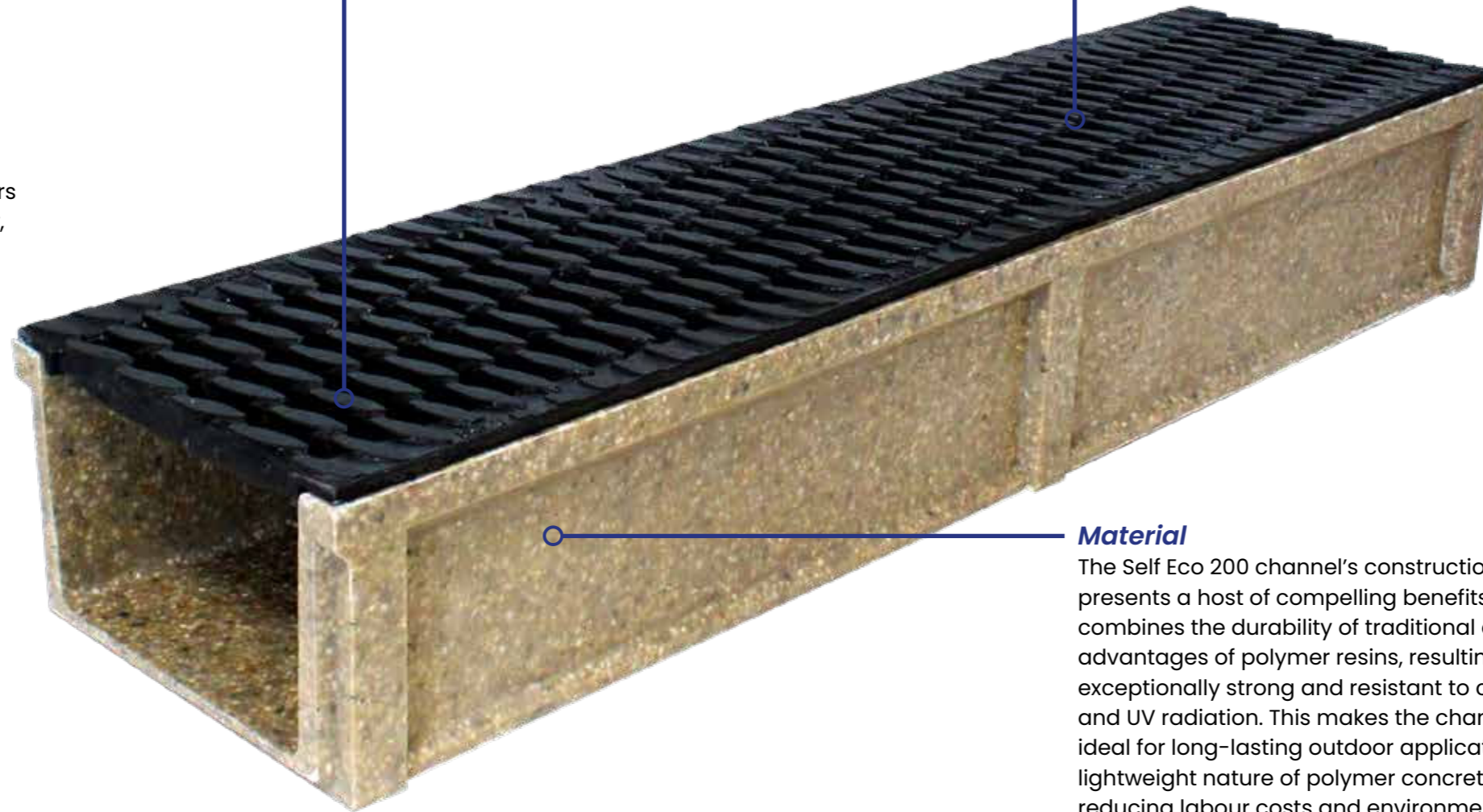


Grating Options

The Self Eco 200 drainage channel offers exceptional versatility and adaptability, thanks to its distinct grating options: steel mesh, and ductile-iron oval grip.

Bolt & Bar

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



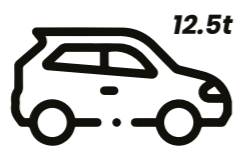
Material

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.

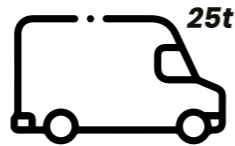
Load Classes



A15



B125

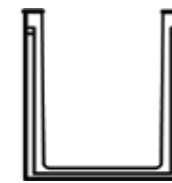


C250

Depth Options



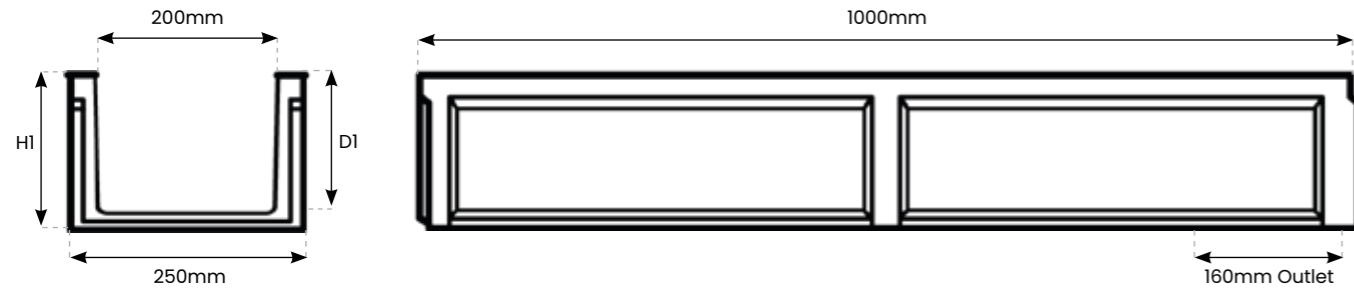
100mm



150mm

SELF ECO 200 – 100mm depth

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

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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)



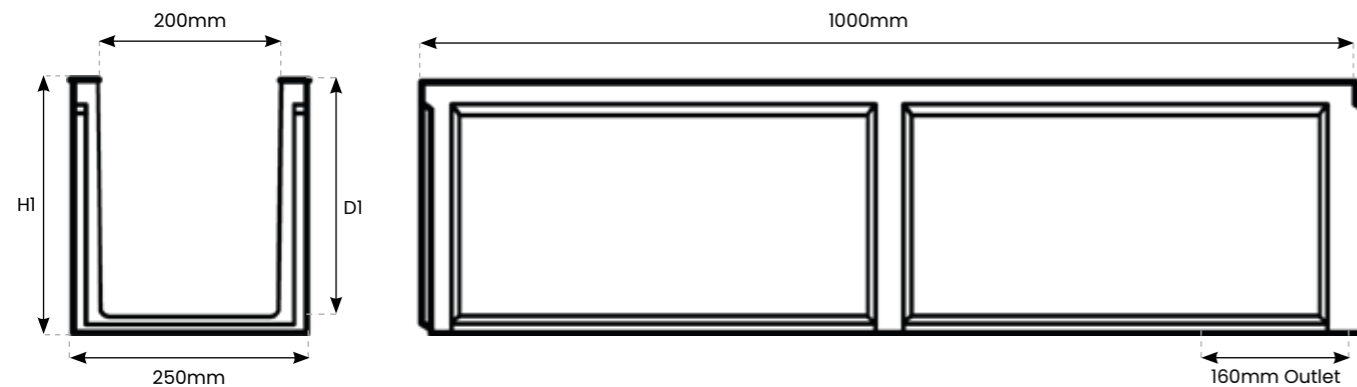
Ductile-Iron OvalGrip Grating (C250)

Channel / Grating – Specifications

Reference	Description	Length	Internal Width	Overall Width	Overall Depth(HI)	Internal Depth(DI)	Load Class	Safe Heel
SELF.200.MSG	Self Eco 200.100 + Mesh Steel Grating	500/1000mm	200mm	250mm	100mm	80mm	A/B	No
SELF.200.DIOG	Self Eco 200.100 + Ductile Iron OvalGrip Grating	500/1000mm	200mm	250mm	100mm	80mm	A/B/C	No

SELF ECO 200 - 150mm depth

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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



Mesh Steel Grating (B125)



Ductile-Iron OvalGrip Grating (C250)

Channel / 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

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